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Evaluation of Restorative Maintenance on 1975 and 1976 Light-Duty Vehicles in San Francisco, California

Automotive Environmental Systems, Inc, Westminister, CA

Prepared for

Environmental Protection Agency, Ann Arbor, MI Emission Control Technology Div

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EVALUATION OF RESTORATIVE MAINTENANCE ON 1975 AND 1976 LIGHT-DUTY VEHICLES IN SAN FRANCISCO, CALIFORNIA

U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Air and Waste Management
Office of Mobile Source Air Pollution Control
Emission Control Technology Division
Ann Arbor, Michigan 48105

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A study of exhaust emissions was performed by AES, Inc., in Westminister, Califronia, to determine the relationship of emissions levels to the maintenance condition of the vehicles. The test fleet consisted of 100 San Francisco area consumer-owner 1975-1976 model-year passenger cars equally represented by the three major U.S. automobile manufacturers. All vehicles were tested using the 1975 Federal Test Procedure. Additional tests included Highway Fuel Economy Tests and several short-cycle tests.

Each vehicle was tested initially in the as-received condition. Various stages of restorative maintenance and retesting were then performed in an attempt to bring failing vehicles into compliance with 1975/1976 California standards. Selected vehicles were also subjected to a series of specified maladjustments or disablements in order to evaluate the individual and combined effects of these conditions on emissions and fuel economy.

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EVALUATION OF RESTORATIVE MAINTENANCE ON 1975 AND 1976 LIGHT-DUTY VEHICLES IN SAN FRANCISCO, CALIFORNIA

by

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Contract No. 68-03-2439

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Prepared for

ENVIRONMENTAL PROTECTION AGENCY
Office of Air and Waste Management
Office of Mobile Source Air Pollution Control
Emission Control Technology Division
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FOREWORD

Average emission factors are used in assessing the degrees to which in-use vehicles comply with applicable standards. Average emission factors are also used in the development of emissions and transportation control strategies, and in forecasting ambient air quality. This restorative maintenance program was initiated to collect exhaust emission data which would identify reasons for the failure of low-mileage in-use vehicles to meet emission standards. An additional objective of the program was to quantify the individual and combined effects of defects, disablements, and maladjustments on exhaust emissions and fuel economy.

ABSTRACT

A study of exhaust emissions was performed by Automotive Environmental Systems, Inc., in Westminster, California, to determine the relationship of emissions levels to the maintenance condition of the vehicles. The test fleet consisted of 100 San Francisco area consumer-owned 1975-1976 model-year passenger cars equally represented by the three major U.S. automobile manufacturers. All vehicles were tested using the 1975 Federal Test Procedure. Additional tests included Highway Fuel Economy Tests and several short-cycle tests.

Each vehicle was tested initially in the as-received condition. Various stages of restorative maintenance and retesting were then performed in an attempt to bring failing vehicles into compliance with 1975/1976 California standards. Selected vehicles were also subjected to a series of specified maladjustments or disablements in order to evaluate the individual and combined effects of these conditions on emissions and fuel economy.

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SECTION 1

INTRODUCTION

This report describes a program conducted by Automotive Environmental Systems, Inc. (AESi) which sought to determine the reasons why many in-use vehicles fail to meet the emission standards under which they were certified. This project was performed under EPA Contract 68-03-2439 and represented one of four cities in the total effort. The testing was performed from February, 1977 through January, 1978.

A series of tests were performed on 100 randomly-selected, privately-owned 1975 and 1976 passenger cars. Each test sequence consisted of a 1975 FTP, a Highway Fuel Economy Test, and several short CVS and steady-state volumetric tests. Vehicles were tested in the as-received condition and after several stages of corrective maintenance. In addition, certain vehicles were subjected to selected maladjustments and/or disablements to further establish the relationship between adjustments and emissions.

Maladjustment refers to an adjustable component or system which was found to be (or was selectively set) outside of the tolerance band around the manufacturer's nominal specification. Disablement refers to the non-functioning of an emissions control system or component due to some person's willful or inadvertent action.

Section 2 of this report describes the objectives, experimental design, and conduct of the program. Section 3 presents summary results. Detailed listings of data are presented in the Appendixes by vehicle and test number. Data packets and punched computer cards, with EPA-defined data formats, were submitted to the Project Officer.

SECTION 2

TECHNICAL DISCUSSION

2.1 PROGRAM OBJECTIVES

The primary objectives of the emission factor programs include providing current light-duty vehicle emission data for use in analyzing various mobile source control strategies, assessing the impact of mobile sources with advanced emission systems on air quality, and providing data to assess the effectiveness of inspection/maintenance programs in reducing mobile source contributions to air pollution.

The objectives of this program were to collect exhaust emission data which would identify reasons for low mileage in-use vehicles failing emission standards, and to quantify the individual and combined effects of defects, disablements and maladjustments on exhaust emissions and fuel economy.

2.2 PROGRAM DESIGN

This program was designed to obtain data on 100 randomly selected 1975-1976 model-year vehicles, equally represented by the major U.S. automobile manufacturers, which were less than 24 months old and had accumulated less than 27,000 miles. Each vehicle was tested using the 1975 Federal Test Procedure (FTP), the Highway Fuel Economy Test (HFET), the Federal Short Cycle, the New York/New Jersey Composite ACID Test, the 2-Speed Idle Test, the Clayton KEY-MODE Test, and the Federal 3-Mode Test.

The test fleet consisted of popular models and engines. The fleet was distributed as follows:

General Motors Corporation	-	34 vehicles
Ford Motor Company	-	33 vehicles
Chrysler Corporation	-	33 vehicles

The group of vehicles for each manufacturer were further subdivided and specified in terms of sales-weighting for makes, models, engine size, etc.

Each vehicle was first tested in the as-received condition and then subjected to several cycles of inspection, corrective maintenance, and retest using the complete sequence of tests identified above.

The general sequence of testing is described below:

Test 1 - As-received baseline

Test 2 - After correction of maladjustments or disablements of emission-related components (except idle speed and mixture)

Test 3 - After adjustment of idle speed and mixture (CO)

Test 4 - After a major tune-up and correction of failed emission components

The decision to return the vehicle to its owner or to continue with the maintenance and retesting was based on the results of the FTP versus the 1975/1976 California Standards.

Vehicles which met the emission standards and were found to be in proper tune were eligible for further testing to explore the individual and combined emission impacts of various maladjustments and disablements. Selected vehicles were subsequently subjected to specified maladjustments of ignition timing, choke setting, idle mixture, disablement of EGR, and rerouting of distributor vacuum lines. These maladjustments were performed on vehicles selected by the Project Officer. Figure 1 provides a flowchart for the vehicles in this program.

2.3 TEST VEHICLE PROCUREMENT

The EPA provided a listing of required test vehicles which included model-year, make, displacement, vehicle size, transmission type and number of carburetor venturis. Vehicles were selected by the EPA on a sales-weighted basis.

Test vehicles were obtained from an area within a radius of 25 miles of downtown San Francisco. Those vehicles procured from owners outside the San Francisco peninsular area such as Oakland, were required to have a San Francisco working address. Other requirements applicable to test vehicle procurement were as follows:

100 percent of sample to be the listed make and model-year.

90 percent of sample to be the listed make, model-year, and engine displacement.

70 percent of sample to be an exact match to the EPA-supplied vehicle list.

In addition, rental or leased vehicles were not selected. Test vehicles were not obtained from automotive-oriented organizations: e.g., sports-car clubs.

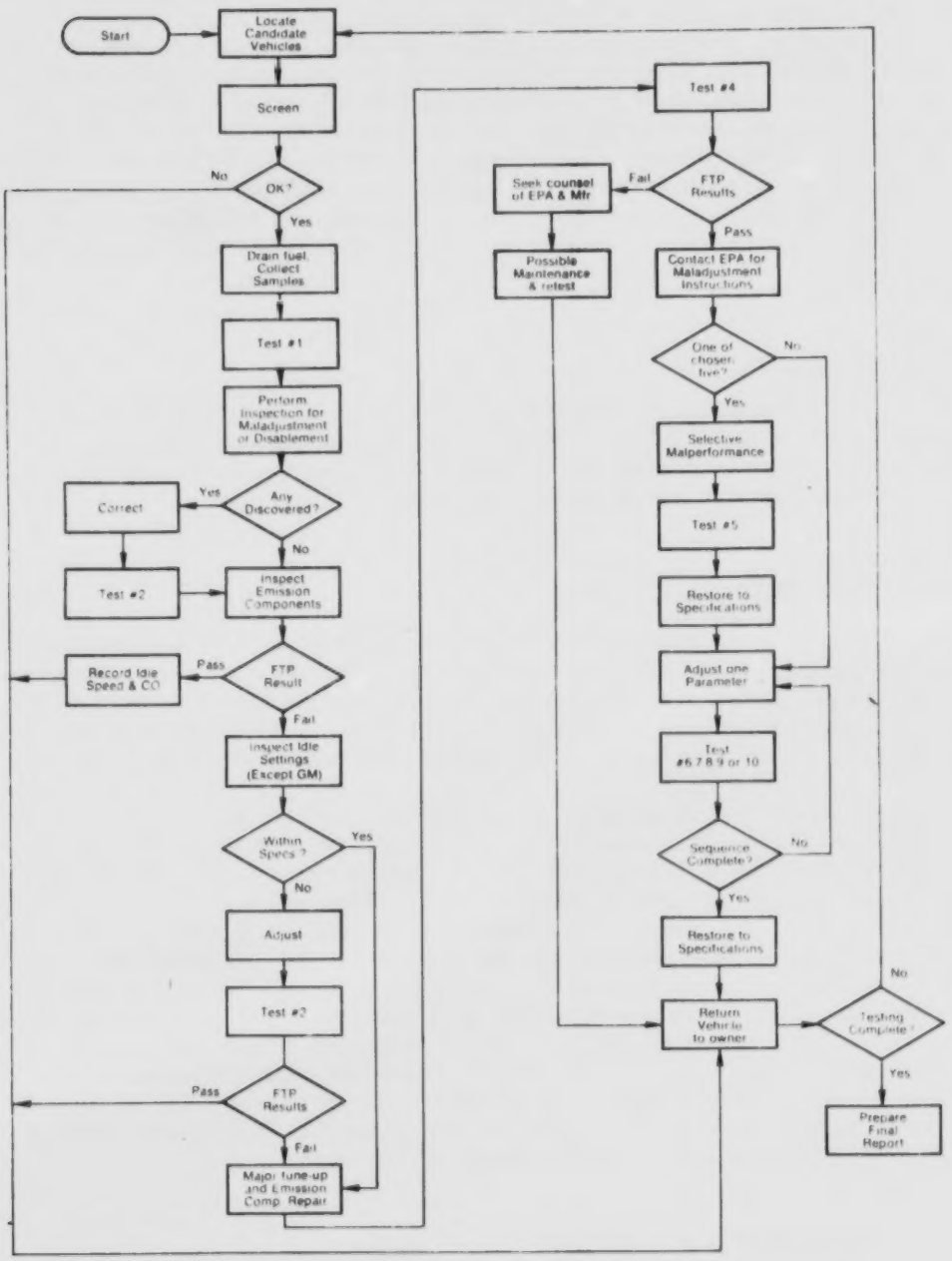

Figure 1. RESTORATIVE MAINTENANCE EVALUATION TEST PLAN

2.3.1 Test Vehicle Selection

The fleet of test vehicles was procured primarily from registration lists by direct mailing to owners of prospective test vehicles. The direct mailing included a description of the program, program incentives and a postage-paid return card for those owners who desired to participate. The cards were designed so that vehicle identification information, such as engine size, transmission type, age and mileage could be filled in by the vehicle owner. Upon receipt of the returned cards, this information was used in the selection of test vehicles in accordance with the match requirements. Owners of suitable vehicles were then contacted by telephone by an AESi representative in San Francisco (Elrick and Lavidge, Inc., 650 California St., San Francisco, CA 94108) and scheduled for test.

2.3.2 Incentives

The incentives permitted by the contract were a $50 savings bond, the use of a late-model, fully-insured loan vehicle during the time the test vehicle was in the possession of the laboratory, and a full tank of fuel when the test vehicle was returned to the owner.

2.3.3 Test Vehicle Handling

A file containing owner and vehicle information was established and utilized to schedule vehicles for testing. Owners were contacted by telephone. At this time, information submitted on the reply card was confirmed and any missing information was obtained. Vehicles which met with program design requirements, or approved substitute vehicles, were then scheduled for pickup.

At the time of pickup, and after an initial inspection was made to confirm compliance with sample requirements, loan vehicle agreement forms were completed, an EPA-designed questionnaire on vehicle use and maintenance was filled out by an interviewer with the owner. The owner was advised at this point that the vehicle was required to undergo a fuel check and a visual engine component check before it could actually be accepted for testing. The vehicle was then taken to a state-licensed mechanic where the lead content of the fuel and engine components were checked for final vehicle acceptance. This inspection was only used to reject vehicles which were found to have leaded fuel or had experienced severe damage or modifications which could not be economically or ultimately corrected. Accepted vehicles were then shipped by car carrier to AESi's facility in Westminster, California, pre-test operations were performed and then scheduled for test.

2.4 FACILITIES AND EQUIPMENT

2.4.1 Test Location

AESi operates a permanent facility at 7300 Bolsa Avenue, Westminster,

California, in the Los Angeles metropolitan area where all testing for this contract was performed. The elevation of the facility is 50 feet above sea level.

This facility contains approximately 26,000 square feet of laboratory/office space and provides two emission test cells. One test cell was consistently utilized for this project and was equipped with the equipment specified in the following paragraphs.

2.4.2 Constant Volume Sampler

One AESi six-bag CVS system, with a water heat exchanger, was used. Sample and background bag selection was automatically controlled by computer to select the proper bag set for each phase of the 1975 FTP. The computer also selected the bag set for the highway fuel economy cycle and the short CVS cycles.

2.4.3 Emission Analysis Console

One AESi emission analysis console was used. The console has push-button selection of zero, span and sample for each range of each instrument. The console also has a built-in NOx converter efficiency test unit and automatic sample line purge as required by the contract. The console contains the following instrument types:

Analyzer	Ranges
Bendix Model 8501-5C (CO)	0-100, 0-500 ppm
Beckman 315B NDIR (CO)	0-.3%, 0-3%, 0-5%
Beckman 315B NDIR (CO_2)	0-4%, 0-8%
Two Teco 10A Chemiluminescent (NOx) (1 Dilute Exhaust) (1 Raw Exhaust)	0-100, 0-250, 0-1,000, 0-2,500 ppm
Two Beckman 400 FID (HC)	0-50, 0-100 0-300, 0-1,000 0-3,000, 0-10,000 ppm
Horiba GSM 300 (Raw HC)	0-400, 0-2,000 ppm Hexane Equivalent
(Raw CO)	0-2%, 0-10%

Horiba MEXA 300	
(Raw HC)	0-200, 0-1,000 ppm Hexane Equivalent
(Raw CO)	0-0.5%, 0-5%

2.4.4 Laboratory Standard Calibration Gases

Laboratory standard calibration gases, previously approved by EPA, were used for defining instrument calibration curves and assigning concentration values for the working gases. Each cylinder of standard gas and each working gas was equipped with its own pressure regulator as specified by the contract. All gases were permanently plumbed to a quick-disconnect panel for ease in selecting the gas desired during calibration and testing.

2.4.5 Chassis Dynamometer

The test cell used for this program has a Clayton ECE-50 direct-drive variable inertia dynamometer permanently mounted in the floor. Requirements of the contract to have 250-pound increments and 500-pound increments in the required inertia ranges were met with this unit. The ECE-50 has 17.25-inch roll spacing and 8.65-inch diameter rolls in compliance with the contract.

2.4.6 Miscellaneous Equipment

Miscellaneous equipment used in conjunction with the major items of equipment included the following:

One AESi DACC 3000 control computer was used with the analytical console to generate all driver traces, control bag filling and calculate mass emissions data.

One Hewlett-Packard Model 7130A Driver's Aid.

Two Teco Model 100 NOx Generators.

One Rustrak Chart Recording Psychrometer, Model #2133B with continuous recording of wet/dry bulb temperatures.

One Hartzell Model #N-24-DUW cooling fan placed in front of the vehicle for cooling during test.

One Weathermeasure M701 24-hour continuously recording barometer, temperature and relative humidity.

Two Autoscan Model #4000 Engine Analyzers.

One Weathermeasure M701 continuous recording temperature recorder for soak area temperature.

One Princo Mercurial Barometer.

One Meriam 50 MC2-4SF Laminar Flow Element for CVS calibration.

One Sartorius Model 2257 Balance used for weighing the propane cylinders for propane recovery tests.

One Strobotach for dynamometer coastdown calibrations.

Additional fans for catalyst and rear wheel cooling were Hartzell Model #N-24-DUW.

Wet/dry Bulb Recording Systems - Periodic checks using a sling psychrometer as a reference were made to verify calibration and accuracy.

Miscellaneous Recorders - Other (Hewlett Packard, Soltec, Linear Instruments) recorders were periodically checked for mechanical zero. Rustrak recorders were periodically checked using ASTM precision thermometers.

Other auxiliary equipment was calibrated in accordance with manufacturer's procedures.

2.5 EQUIPMENT QUALIFICATION, CALIBRATION, AND CROSS-CHECK

This section describes the qualification, calibration, and cross-check procedures utilized by AESi and verified by EPA technical personnel to ensure that valid test data were generated throughout the test program. Initial qualification included complete demonstration of individual instrument calibration, stability, response time, modal transport time, zero air and nitrogen purity, CVS calibration, dynamometer calibration, and inspection of all daily, weekly and monthly log records.

Prior to the initial EPA inspection, AESi performed a qualification checkout which was defined in an eight-page Emission Laboratory Evaluation Criteria Document. The completed document and all related data were submitted to the EPA Project Officer. After review of the AESi qualification documentation, the Project Officer witnessed a verification of the qualification procedures prior to initiation of testing.

2.5.1 Constant Volume Sampler (CVS)

The CVS was calibrated with a laminar flow element using the basic procedures specified in the Federal Register. A copy of the calibration data was provided to the EPA Project Officer as a part of the qualification data package. Propane recovery tests were made after the calibration to confirm its accuracy. Propane recovery tests were also made each day of testing

to confirm continued calibration of the CVS system. The measured propane mass recovered by the CVS had to be within ±2.0 percent of the injected mass as determined gravimetrically. A Rustrak chart recorder was used to continuously record CVS temperature.

2.5.2 Emission Analysis Console

Calibration and qualification of the emission analysis console was performed as stipulated in the Federal Register and the Emission Laboratory Evaluation Criteria. The daily qualification checks were:

Leak check of each instrument as well as the system.

Zero, gain, tune as applicable to each instrument.

Hang-up and leak checks for background and sample bags and sample line.

Dilution air HC/CO concentration.

Chemiluminescence vacuum and converter efficiency.

FID fuel, air, sample pressures.

Propane recovery test result.

Working gas log, cylinder number, concentration, deflections, cylinder pressure.

In addition to the above daily checks, weekly checks were made for the following:

Calibration curve of each range of each instrument.

CO instrument response to wet CO_2.

Appropriate calibrations, leak checks, etc., were also made whenever maintenance was performed which could change instrument or system operation.

2.5.3 Chassis Dynamometer

The Clayton ECE-50 dynamometer was initially calibrated using manufacturer's equipment and procedures to calibrate the speed and horsepower meters. Coastdown techniques specified in the Federal Register were used to develop actual versus indicated horsepower curves for each inertia weight setting (1,750 through 5,500 pounds). The calibration of the dynamometer was confirmed bi-weekly or after any maintenance which might affect the calibration curves. The speed meter was also checked using a strobotach on the dynamometer rolls during the bi-weekly coastdown checks. A log of all maintenance

and calibration was maintained throughout the program. Special coastdown calibrations at 30 mph and 50 mph were performed for the Federal 3-Mode Test.

2.6 TEST PROCEDURES

2.6.1 Vehicle Preparation

Upon receipt from the owner, all vehicles tested in this program were inspected for the following:

> Those items required to determine conformance with the selection requirements such as make, model-year, transmission type, engine size, number of carburetor venturi's, air conditioning, certain emission controls, and accumulated mileage.
>
> A physical inspection of the vehicle's interior and exterior for damage.
>
> An inspection to verify that the vehicle was safe for operation on the dynamometer and that the exhaust system was not leaking (or, if it was, could not be readily repaired.)

Fuel was drained and the tank was filled to 40 percent volume with test fuel. The vehicle was then scheduled for a 10-minute preconditioning drive over a street route prior to being placed into pretest soak. The soak period was a minimum of 12 hours and a maximum of 20 hours from key-off to key-on at a temperature between 60°F and 86°F. A continuous record of the soak area temperature was maintained 24 hours per day to verify that the soak temperature limits applicable to each vehicle were met. Vehicles for which the soak temperature limits were violated were given another 10-minute preconditioning drive and placed back into soak. A modest vehicle driveability evaluation was conducted during the preconditioning drive.

2.6.2 Equipment Preparation

Emission test equipment was checked daily prior to the performance of emission tests. The emission analysis system was checked for leaks, zero and gain settings, where appropriate, for each instrument. CVS inlet and outlet pressures were checked as was delta P. Additional checks included background and sample bag leak checks and hydrocarbon hang-up, converter efficiency, and CVS calibration by propane recovery tests. In addition, the driver's aid and computer-generated driving trace were calibrated prior to and after each test. The dynamometer was warmed up using a nontest vehicle if it had not been used in the previous 2-hour period. During this warm-up period, the dynamometer speed indicator was checked against the driver's trace to ensure that both speed indications were identical.

The continuous wet/dry bulb system was checked against a sling psychrometer, on a periodic basis, to verify proper calibration.

When not being used, the emission analysis console was left in the operating mode. All instruments were placed in the sample mode position which provided a continuous purge with filtered background air. Thus, the instrument console was at all times warmed up and ready for calibration and test. In the event that instrument maintenance required instrument shut off, warm-up time of a minimum of 1 hour was used. In practice, the warm-up time was in excess of 1 hour since calibration checks were routinely performed after maintenance.

The CVS was normally not turned off during nontest hours. Prior to the propane recovery test, the CVS was used to exhaust the nontest vehicle used for dynamometer warm-up, and was thus at operating temperature for the propane recovery test and subsequent emission tests.

2.6.3 Federal Exhaust Emission Test Procedure

All vehicles received one 1975 FTP, without evaporative emission determinations, performed in accordance with the requirements and procedures specified in 40 Federal Register 126, and EPA Guidelines defined by contract. The sample collection for each set of bags was controlled by the computer. During each phase of the test, the computer printed out crank time and total test time for the cold-start and hot-start portion of the test. Vehicle driveability during the initial cold-start portion of the FTP was recorded at the end of the test.

2.6.4 Highway Fuel Economy Test (HFET) Procedure

The EPA HFET was performed in accordance with the contract requirements. Starting with each vehicle in a warmed-up condition (at least 7.5 miles of cyclic operation having occurred within the previous 35 minutes), each vehicle was operated on the dynamometer at 50 mph for a period of 3 minutes. Within 1 minute of the end of the 50 mph cruise period, the vehicle commenced operation over the 10.2 mile, 765 second driving schedule. A CVS sample bag was used to gather the dilute exhaust for the purpose of emission and fuel economy calculations. The engine was already running at the beginning of the sampling period. The tolerances for this driving schedule were identical to those used for the FTP.

2.6.5 Federal Short-Cycle Test Procedure

The Federal Short-Cycle, 125 seconds in duration and 0.7536 miles in length, consisted of the following nine modes which were sampled using the CVS:

MODE	TIME IN MODE
0-16 mph	6.0
16-29 mph	23.0
29 mph cruise	10.0
29-37 mph	18.0

37-42 mph	4.5
42-37 mph	2.5
37-20 mph	32.0
20-9 mph	7.5
Idle	21.5
Total Seconds	125.0

The dynamometer loadings and transmission shift points followed the procedures as required for the FTP.

The Federal Short-Cycle test was preceded by a 20 minute soak consisting of 17 minutes of engine-off followed by 3 minutes of engine idling. During the soak, the vehicle hood remained open and the cooling fan remained on.

2.6.6 New York/New Jersey ACID Test Procedure

This short CVS cycle, 75 seconds in duration and 0.2792 miles in length, consisted of six modes as follows:

MODE	TIME IN MODE
Idle	22
0-30 mph	15
30 mph cruise	15
30-10 mph	12
10 mph cruise	7
10-0 mph	4
Total Seconds	75

All vehicles were tested at an inertia weight of 3,000 pounds and an indicated hp of 3.5 at 30 mph. Transmission shift points for manual transmissions occurred at the same speeds as on the FTP. A minimum of 2 cubic feet in the sample bag was collected. Mass emissions were calculated in the same manner as for the HFET.

The New York/New Jersey ACID test was preceded by the 6-minute soak period consisting of 3 minutes of engine off followed by 3 minutes of engine idling. During the soak, the vehicle hood remained open and the cooling fan remained on.

2.6.7 Clayton KEY-MODE Emission Test Procedures

This short test consisted of three steady-state operating conditions during which undiluted exhaust samples were taken.

Clayton KEY-MODE tests were preceded by a soak period no longer than 20 minutes from the last sustained period of vehicle operation. At the end of the soak period, the vehicle was operated for a maximum of 3 minutes at the specified speed with the hood open and the cooling fan on. The inertia weight was the same as for the Federal tests. During this stabilization period, the specified dynamometer load horsepower was set utilizing the values indicated below.

Class of Vehicle by Weight (NADA)	Transmission Range/Gear	Meter Dyno Load hp @ mph	High Speed Cruise (mph)	Low Speed Cruise (mph)	Idle
2000 to 2800 lb	Drive/ Third Gear	15 @ 38	36 to 38	22 to 25	Manual Transmission in neutral, Automatic Transmission in Drive
2801 to 3800 lb	Drive/ High Gear	24 @ 46	44 to 46	29 to 32	
3801 lb and up	Drive/ High Gear	30 @ 50	48 to 50	32 to 35	

The test was performed in the order of high cruise, low cruise and then idle. At each speed, equilibrium of vehicle speed and the CO, HC and NOx analyzer meters was maintained for 30 seconds before the readings were recorded in percent CO, ppm Hexane and ppm NOx respectively.

2.6.8 Two-Speed Idle Test Procedure

This short test consisted of volumetric sampling of undiluted exhaust emissions during two steady operating conditions with the hood open and the cooling fan turned on. The first operating mode was at 2,250 engine rpm, and the second at normal idle. For both modes the transmission was in neutral.

The Two-Speed Idle test was preceded by a 6-minute soak period consisting of 3 minutes of engine-off followed by 3-minutes of engine idling. The vehicle was then operated for a maximum of 3 minutes at 2,250 rpm and then for a maximum of 3 minutes at idle. CO, HC, and NOx were reported in percent CO, ppm Hexane, and ppm NOx, respectively.

2.6.9 Federal Three-Mode Test Procedure

This short test consisted of three steady-state operating modes (similar to the Clayton key-modes) with the dynamometer loads simulating the average power which occurs at the appropriate speed on the FTP, and with all light-duty vehicles being grouped into the four weight classes shown below. Like the Two-Speed Idle, this test was also preceded by a 6-minute soak. CO, HC, and NOx were reported in percent CO, ppm Hexane, and ppm NOx, respectively.

Class of Vehicle by Weight (NADA)	Transmission Range/Gear	High Speed Mode		Low Speed Mode		Idle Mode
		Speed mph	Load hp	Speed mph	Load hp	
Up to 2500 lb	In lower gear for 30 mph test (3rd gear)	50	21	30	9	Automatic Transmission in Neutral and in Drive
2501 to 3500 lb	Drive/ High Gear	50	26	30	12	
3501 to 4500 lb	Drive/ High Gear	50	31	30	15	
Above 4500 lb	Drive/ High Gear	50	36	30	18	

2.6.10 Daily Test Schedule

The daily test schedule provided for three shifts. In general, shift duties were as follows:

Shift 1 - Vehicle preparation and preconditioning. Testing, inspection and maintenance of vehicles.

Shift 2 - Testing and bi-weekly dyno coastdowns.

Shift 3 - Vehicle preconditioning. Testing, Daily, Weekly and Monthly equipment checks.

A flow chart which shows the test sequence is given in Figure 2.

2.7 DATA HANDLING

2.7.1 Data Collection

Keypunch-compatible forms were generated for each test procedure required for this contract. The data format followed exactly the format provided by EPA. Numerous other forms were developed and used for system quality control, working gas inventory control, etc. These forms included daily start-up checks and tests, working gas pressure log, weekly instrument calibration data forms, propane recovery data forms, NOx converter efficiency checks, dynamometer coastdown data forms, and equipment maintenance logs.

AESi used a packet of file folders for each vehicle tested. This system placed all data pertaining to any one test on each vehicle in a single filing source to provide for rapid review of pertinent data, particularly for those vehicles which were subjected to multiple tests.

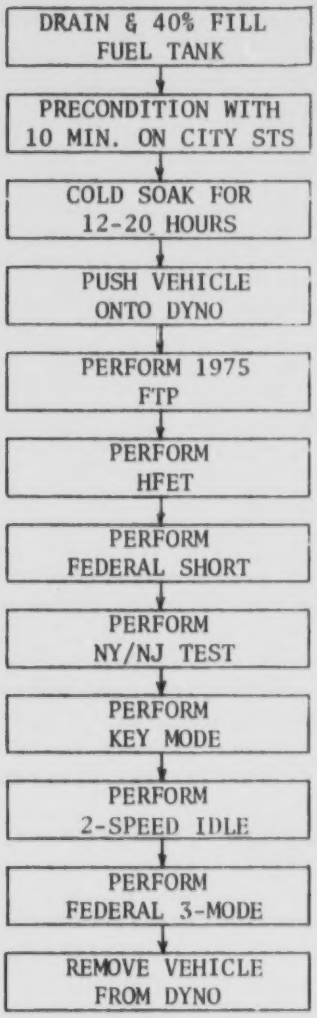

Figure 2. SAN FRANCISCO RESTORATIVE MAINTENANCE EMISSION TEST SEQUENCE. EPA CONTRACT #68-03-2439

Each test packet contained the following:

1. Vehicle information sheet.
2. Bond application card.
3. Loan vehicle and test agreement forms.
4. Owner questionnaire.
5. Computer printout for each type of test required.
6. All raw test data such as analyzer recorder strip charts, temperature strip charts, driver's aid charts and all other raw test data applicable to each specific vehicle.
7. Maintenance data sheets.

2.7.2 Data Processing

Vehicle information, results of vehicle inspection and emission test data were turned over to the Quality Assurance section in Westminster. The data required to be transmitted to the Project Officer or included in this final report were punched and verified prior to processing. Dilute and undiluted exhaust emission and fuel economy calculations were made by the AESi DACC Model 3000 computer.

2.7.3 Quality Control

Review of test data indicated that test errors generally were associated with mass emission testing. Predominant errors included incorrect span points, operating vehicles at incorrect dynamometer settings on short cycle tests (i.e., inertia weight, horsepower or speed) and exceeding background requirements. A few clerical and key-punch errors were detected but were normally caught and corrected during the audit check.

2.7.4 Calculation of Results

Mass emission test results were calculated by the on-line DACC computer in accordance with procedures specified in the Federal Register and the contract.

2.7.4.1 Exhaust Emissions (Federal Test Procedure)

Emission results were calculated for the 1975 FTP in accordance with the Federal Register, including provisions for the dilution factor, humidity correction factor for NOx, and separate barometer, wet bulb and dry bulb data for each phase of the 1975 FTP. Fuel economy was calculated from the composite HC, CO and CO_2 mass emission data using the carbon balance method.

2.7.4.2 High Fuel Economy Test

Highway fuel economy was calculated using the carbon balance method

and mass emissions measured during the 765-second, 10.2-mile highway fuel economy driving schedule.

2.7.4.3 Federal Short-Cycle

The Federal Short-Cycle mass emissions and fuel economy were calculated in the same manner as for the HFET, except that a driving distance of 0.2792 miles was used.

2.7.4.5 Clayton KEY-MODE Emissions

Clayton KEY-MODE emissions were reported in undiluted concentrations of ppm Hexane HC, ppm for NOx, and percent for CO.

2.7.4.6 Two-Speed Idle

The Two-Speed Idle test results were reported in undiluted concentrations of ppm Hexane for HC, ppm for NOx, and percent for CO.

2.7.4.7 Federal Three-Mode

The emission results for the Federal Three-Mode test were reported in undiluted concentrations as ppm Hexane for HC, ppm for NOx, and percent for CO.

SECTION 3

DISCUSSION OF TEST RESULTS

3.1 DESCRIPTION OF TEST VEHICLES

Table 1 summarizes the test fleet defined in the contract. Table 1A summarizes the approved final fleet composition by make, body size, engine displacement, transmission and number of carburetor venturis. Some substitutions were necessary to represent California certified vehicles. Substitutions were made (quantities shown in parentheses) for vehicle make (1), vehicle body size (5), transmission (1), engine size (21), and number of carburetor venturis (16). Detailed vehicle descriptions of those vehicles actually tested and vehicle use data are presented in Appendixes A and B.

3.2 FEDERAL TEST PROCEDURE EMISSIONS AND FUEL ECONOMY

Emission and fuel economy results are summarized in graphical format in Tables 2, 3, and 4, with supporting data presented in Appendix J.

Table 2 presents the percent of all vehicles and of each manufacturer group which passes the 1975-1976 California emission standards. Cumulative results are shown for the baseline test (Test 1), and for each subsequent step of restorative maintenance (Tests 2, 3 and 4).

Table 3 summarizes the average emissions in grams per mile for all vehicles and for each manufacturer group. In San Francisco, all manufacturers achieved average baseline HC emissions within the California standard. Restorative maintenance resulted in small reductions in average HC emissions. Ford and General Motors vehicles achieved baseline CO emissions within the standard, however, Chrysler's average CO emissions still exceeded the California standard. Only Ford vehicles achieved average baseline NOx emissions within the California standard. Both General Motors and Chrysler vehicles had average baseline NOx emissions which exceeded California standards, but after maintenance both groups had average NOx emissions within the standard.

Table 4 summarizes the average fuel economy results for all vehicles and for each manufacturer group. Restorative maintenance resulted in a slight reduction of both FTP and HFET fuel economy in all groups, with the exception of the FTP fuel economy for Ford vehicles which remained unchanged.

TABLE 1. SAN FRANCISCO RESTORATIVE MAINTENANCE EVALUATION
TEST VEHICLE LISTING

DESCRIPTION	TOTAL	NO.	DESCR.	NO.	DESCR.	NO.	DESCR.	NO.	DESCR.	NO.	DESCR.
CHRYSLER CORP.											
Dodge	13	001	C225A1	002	X225A1	003	C225M1	004	C225A1	005	C225A1
		006	C318A2	007	C318A2	008	I318A2	009	I318A2	010	I360A4
		011	I318A2	012	I360A2	013	F400A2				
Plymouth	16	014	C225M1	015	C225A1	016	C225A1	017	C225A1	018	C225A1
		019	C225A1	020	C318A2	021	C318A2	022	C225A1	023	I318A2
		024	I318A2	025	I360A2	026	I400A2	027	C225A1	028	I360A4
		029	C225A1								
Chrysler	4	030	I400A2	031	I360A2	032	F400A2	033	F440A4		
FORD MOTOR CO.											
Ford	24	034	X140M2	035	X171A2	036	X140A2	037	X140A2	038	X171M2
		039	C250A1	040	C250M1	041	C200A1	042	C250A1	043	C250A1
		044	C302A2	045	C302A2	046	C351A2	047	I351A2	048	I351A2
		049	I351A2	050	I351A2	051	I351A2	052	I400A2	053	F351A2
		054	F351A2	055	F400A2	056	F460A4	057	F460A4		
Mercury	7	058	C250A1	059	C302A2	060	C302A2	061	I351A2	062	I351A2
		063	I400A2	064	F400A2						
Lincoln	2	065	F460A4	066	F460A4						
GENERAL MOTORS											
Buick	5	067	C231A2	068	I260A2	069	I350A4	070	F350A4	071	F455A4
Cadillac	2	072	F500A4	073	F500A4						
Chevrolet	16	074	X085M1	075	F400A4	076	X140A2	077	C250A1	078	C305A2
		079	C305A2	080	C350A4	081	I305A2	082	I305A2	083	I350A4
		084	I350A2	085	I400A4	086	F350A2	087	F350A2	088	F350A4
		089	F400A4								
Oldsmobile	6	090	I260A2	091	I350A4	092	I350A4	093	I350A4	094	F455A4
		095	F455A4								
Pontiac	5	096	X140A2	097	C260A2	098	I350A2	099	I350A2	100	F400A4

Key to Vehicle Description:

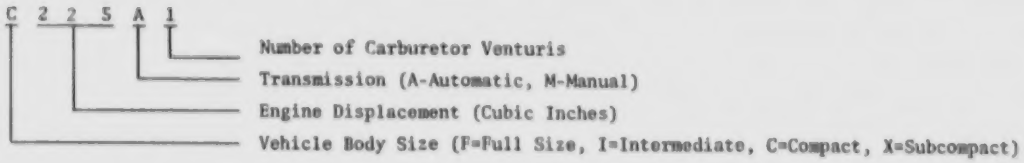

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TABLE 1A. SAN FRANCISCO RESTORATIVE MAINTENANCE EVALUATION
CALIFORNIA CERTIFIED VEHICLE LISTING

DESCRIPTION	TOTAL	NO.	DESCR.	NO.	DESCR.	NO.	DESCR.	NO.	DESCR.	NO.	DESCR.
CHRYSLER CORP.											
Dodge	13	001	C225A1	002	C225A1	003	C225M1	004	C225A1	005	C225A1
		006	C318A2	007	C318A2	008	I318A2	009	I318A2	010	I360A4
		011	I318A2	012	I360A4	013	F400A4				
Plymouth	16	014	C225M1	015	C225A1	016	C225A1	017	C225A1	018	C225A1
		019	C225A1	020	C318A2	021	C318A2	022	C225A1	023	I318A2
		024	I318A2	025	I360A4	026	I400A4	027	C225A1	028	I360A4
		029	C225A1								
Chrysler	4	030	I400A4	031	I360A4	032	F400A4	033	F440A4		
FORD MOTOR CO.											
Ford	24	034	X140M2	035	X171A2	036	X140A2	037	X140A2	038	X171M2
		039	C250A1	040	C250M1	041	C250A1	042	C250A1	043	C250A1
		044	C302A2	045	C302A2	046	C251A2	047	I351A2	048	I351A2
		049	I351A2	050	I351A2	051	I351A2	052	I400A2	053	F351A2
		054	F351A2	055	F400A2	056	F460A4	057	F460A4		
Mercury	7	058	C251A1	059	C302A2	060	C302A2	061	I351A2	062	I351A2
		063	I400A2	064	F400A2						
Lincoln	2	065	F460A4	066	F460A4						
GENERAL MOTORS											
Buick	5	067	C231A2	068	I231A2	069	I350A4	070	F350A4	071	F455A4
Cadillac	2	072	F500A4	073	F500A4						
Chevrolet	16	074	X085M1	075	F400A4	076	X140A2	077	C250A1	078	C305A2
		079	C305A2	080	C350A4	081	I250A2	082	I250A2	083	I350A4
		084	I350A4	085	I400A4	086	F350A4	087	F350A4	088	F350A4
		089	F400A4								
Oldsmobile	6	090	I260A2	091	I350A4	092	I350A4	093	F350A4	094	F455A4
		095	F455A4								
Pontiac	5	096	X140A2	097	C260A2	098	I350A4	099	I350A4	100	F400A4

Key to Vehicle Description:

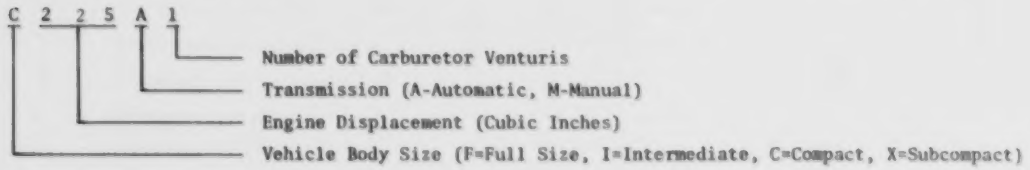
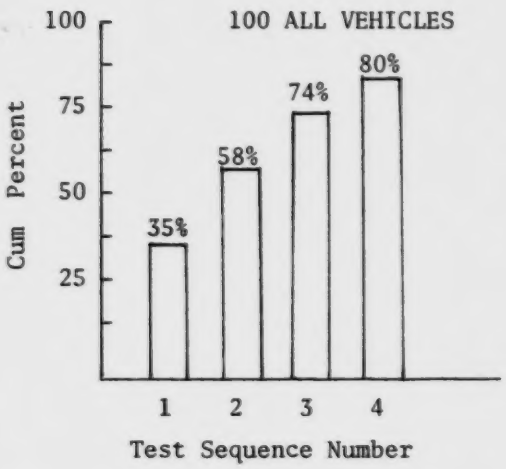
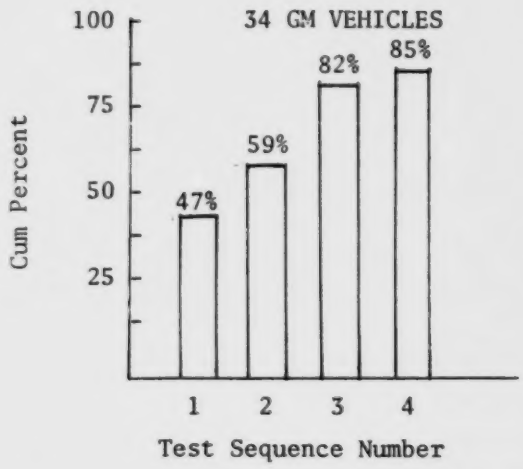
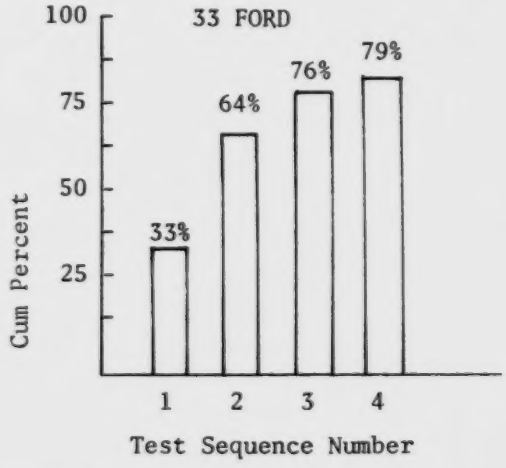


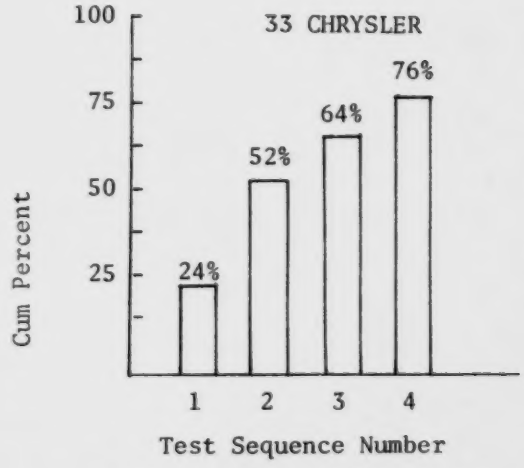
Table 2. VEHICLES MEETING 1975-76 CALIFORNIA EMISSIONS STANDARDS

San Francisco



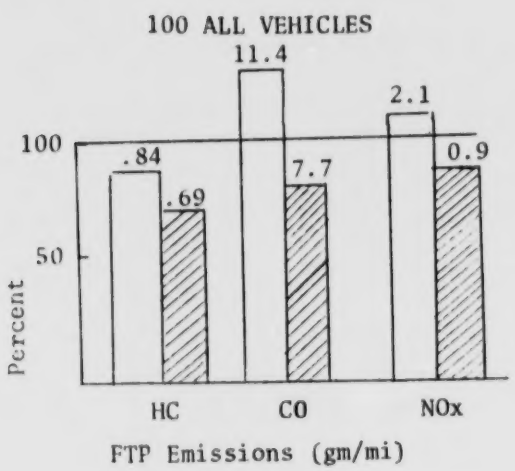


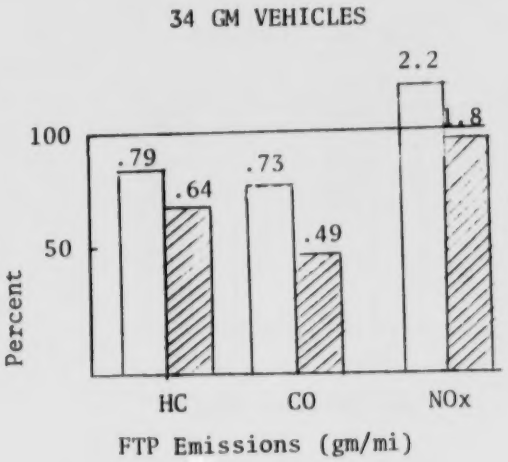


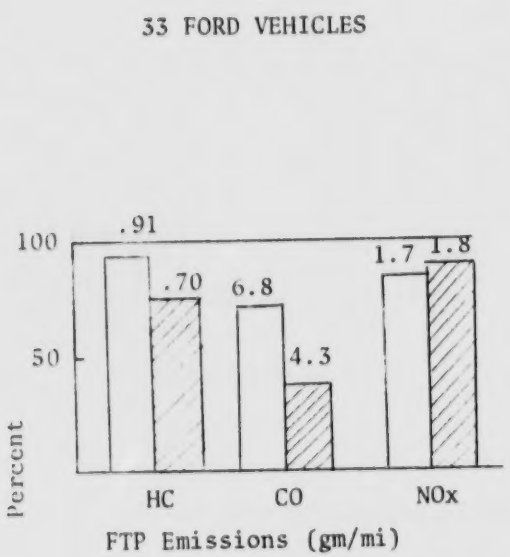


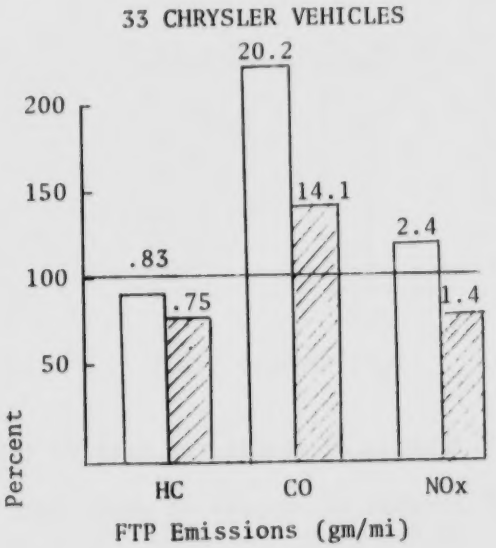
1-After initial test.
2-After correction of disablement and maladjustment
3-After idle CO and RPM are reset to specification.
4-After emission control component repair & major tune-up

Table 3. SUMMARY OF FEDERAL TEST PROCEDURE RESULTS
(As a Percent of 1975-76 California Standards)
San Francisco





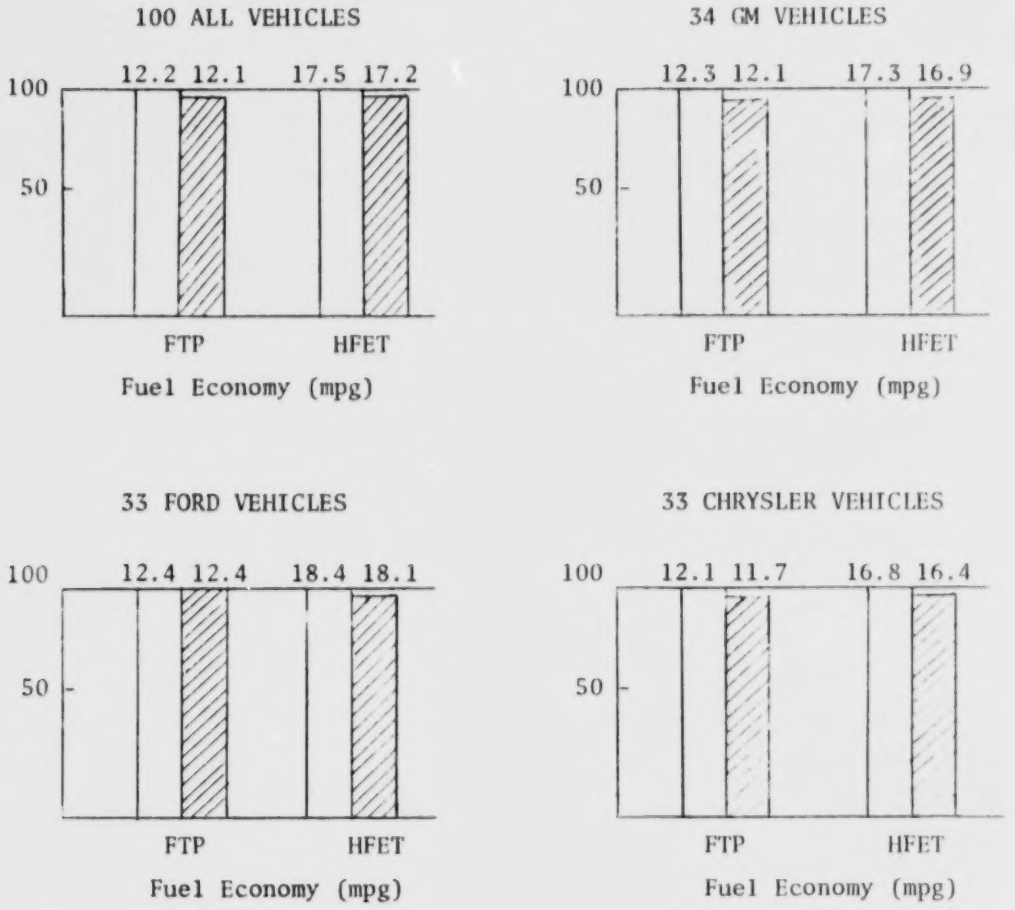




Average of results of initial tests.

Average of results at which each vehicle passed (or test #4 if it did not)

Table 4. SUMMARY OF FUEL ECONOMY RESULTS
(As a Percent of Initial Test)
San Francisco



Average of results of initial test.

Average of results at which each vehicle passed (or test #4 if it did not).

3.3 SHORT-CYCLE AND STEADY-STATE TEST RESULTS

Detailed listings of emission data on each vehicle are presented in Appendix H, by vehicle and test number. The listings present mass emissions data for the FTP, HFET, Federal Short-Cycle, and New York/New Jersey Composite ACID test as well as undiluted exhaust concentration data for the Clayton KEY-MODE Test, Federal Three-Mode Test and Two-Speed Idle Test.

3.4 RESTORATIVE MAINTENANCE DATA

Summaries of the effect of restorative maintenance on vehicle emissions are presented in Tables 5, 6, 7, and 8.

Table 5 summarizes the number and percent of occurrences by manufacturer of vehicles which were found to have specific maladjustments and disablements. The majority of maladjustments and disablements involved the fuel and ignition systems (idle mixture, missing or damaged limiter caps, choke settings and ignition timing). Disablement of the EGR system was the next largest category. No disablements were found for the AIR, PCV or exhaust systems. Many vehicles were found to have combinations of maladjustments and disablements, typically rich idle mixture adjustments, advanced or retarded timing and disabled EGR systems. Appendix C lists the maladjustment or disablement inspection results for each vehicle.

Table 6 summarizes restorative maintenance costs incurred in inspecting and correcting maladjustments and disablements, emission control component function, idle speed and mixture, and in performing major tune-up activities. The average cost per vehicle was $51.95 for parts and labor including labor costs for inspections. Detailed cost information is provided in Appendix G.

Table 7 lists the emission control system components which were found to be defective. These were components which had not been disabled or maladjusted.

Table 8 summarizes the FTP exhaust emissions levels, fuel economy results and percent improvement for vehicles which were repaired and/or adjusted. Separate summaries are presented for each manufacturer and for all vehicles. A negative value for percent improvement implies a degradation. Detailed data are presented in Appendix H.

3.5 SELECTIVE PARAMETER MALADJUSTMENT AND DISABLEMENT

Table 9 lists the impacts of specific disablements or maladjustments on emissions and fuel economy. Six basic parameters (air pump, initial timing, EGR, distributor vacuum advance, choke, and idle mixture adjustment) were evaluated singularly and in combination. All maladjustments except for disabling the EGR and advancing the timing by four (4) degrees resulted in increased HC emissions. All maladjustments except for advancing the timing

TABLE 5

SUMMARY OF MALADJUSTMENT AND DISABLEMENT OCCURRENCES

SAN FRANCISCO

VEH MFG	NO. VEH	INDUCTION SYSTEM		FUEL SYSTEM						IGNITION SYSTEM				EGR		AIR		PCV		EXHAUST		OTHER		ONE OR MORE OCCURRENCES	
				LIM CAPS		CHOKE		OTHER		INIT TIM		OTHER													
		NO.	PCT	NO.	PCT	NO.	PCT	NO.	PCT	NO.	PCT	NO.	PCT	NO.	PCT	NO.	PCT	NO.	PCT	NO.	PCT	NO.	PCT	NO.	PCT
CHRY	33.	2.	6.1	19.	57.6	1.	3.0	1.	3.0	7.	21.2	0.	0.0	15.	45.5	0.	0.0	0.	0.0	0.	0.0	1.	3.0	27.	81.8
FO	33.	0.	0.0	12.	36.4	5.	15.2	0.	0.0	16.	48.5	0.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	1.	3.0	22.	66.7
GM	34.	3.	8.8	7.	20.6	5.	14.7	0.	0.0	6.	17.6	0.	0.0	2.	5.9	0.	0.0	0.	0.0	0.	0.0	1.	2.9	14.	41.2
AL	100.	5.	5.0	38.	38.0	11.	11.0	1.	1.0	29.	29.0	0.	0.0	17.	17.0	0.	0.0	0.	0.0	0.	0.0	3.	3.0	63.	63.0

TABLE 6

SUMMARY OF RESTORATIVE MAINTENANCE COSTS
BY MANUFACTURER

SAN FRANCISCO

MANUFACTURER	MALADJUSTMENT AND DISABLEMENT			EMISSION COMPONENT FUNCTION CHECK			IDLE SET		MAJOR TUNE-UP		TOTAL	TOTAL	TOTAL
	INSP. LABOR	CORR. LABOR	PARTS COST	INSP. LABOR	CORR. LABOR	PARTS COST	INSP. LABOR	CORR. LABOR	INSP. LABOR	PARTS COST	LABOR	PARTS	COST
CHRYSLER	12.18	4.20	38.36	16.73	6.75	19.43	4.50	2.81	20.00	27.13	45.27	44.79	65.63
FORD	12.91	3.97	8.00	15.23	4.13	15.72	3.00	2.55	24.83	32.53	39.14	34.79	49.68
GEN MTRS	9.53	4.23	0.00	7.90	4.50	0.00	7.50	0.00	33.75	44.52	30.40	44.52	40.87
ALL	11.52	4.13	34.57	13.23	6.08	17.84	5.27	2.71	25.29	33.60	38.19	41.69	51.95
NUMBER OF VEHICLES IN EACH CATEGORY													
CHRYSLER	33.	20.	7.	33.	14.	4.	17.	16.	12.	12.	33.	15.	33.
FORD	33.	17.	1.	33.	4.	3.	10.	10.	9.	9.	33.	10.	33.
GEN MTRS	34.	11.	0.	34.	1.	0.	16.	0.	8.	8.	34.	8.	34.
ALL	100.	48.	4.	100.	19.	7.	43.	26.	29.	29.	100.	33.	100.

NOTE: LABOR COST BASED ON $15.00 PER HOUR
PARTS BASED ON RETAIL PARTS COST

Table 7
EMISSION COMPONENT FAILURES

SAN FRANCISCO

MANUFACTURER	COMPONENT NUMBER	DESCRIPTION	VEHICLES EQUIPPED	NO. OF FAILURES	PERCENT FAILURES
Chrysler Corp.	5	Electrically assisted choke switch	33.	1.	3.03
	6	Electrically assisted choke heater	33.	1.	3.03
	10	Idle enrichment diaphragm	21.	1.	4.76
	11	OSAC valve	29.	18.	62.07
	13	EGR time delay solenoid	29.	5.	17.24
	20	Choke kickdown diaphragm	33.	12.	36.36
	21	Spark Plug & cables, cap & rotor	33.	5.	15.15
	23	Diverter valve	33.	2.	6.06
Ford Motor Co.	3	EGR valve	33.	1.	3.03
	9	By-pass valve	33.	3.	9.09
	20	Spark delay valve	27.	2.	7.41
	21	Spark control system dist. pvs	24.	1.	4.17
	28	Choke pull-off diaphragm	16.	2.	12.50
	29	Air cleaner vacuum motor	33.	1.	3.03
	36	Auto-choke thermostatic spring	33.	1.	3.03
General Motors	3	E.F.E.	23.	1.	4.35
	9	EGR backpressure transducer	12.	1.	8.33
	15	Vacuum spark delay valve	8.	1.	12.50

NOTE: Emission component systems not listed were found to be within specifications or had previously been corrected.

TABLE 8

SUMMARY OF EXHAUST EMISSION AND FUEL ECONOMY
RESULTS AND IMPROVEMENTS AT SUCCESSIVE STAGES OF MAINTENANCE

SAN FRANCISCO

CHRYSLER CORP.

	No. VEH	-FTP- HC	CO	NOxC	MPG	HFET MPG
Test No. 1	21.	.96	27.32	2.88	11.62	16.55
Test No. 2		1.15	25.73	1.37	10.93	15.39
Pct. Impr.		-19.54	5.80	52.32	-5.97	-7.06
Test No. 1	3.	.73	10.41	1.37	13.43	17.75
Test No. 3		.71	10.34	1.40	14.14	18.85
Pct. Impr.		2.89	.68	-2.65	5.32	6.24
Test No. 1	1.	.77	11.88	1.47	10.87	16.69
Test No. 4		.72	10.54	1.42	11.32	16.86
Pct. Impr.		6.55	11.28	3.17	4.09	1.02
Test No. 2	11.	1.67	43.41	1.32	9.95	14.64
Test No. 3		1.33	29.72	1.29	10.19	14.34
Pct. Impr.		20.59	31.52	2.21	2.40	-2.05
Test No. 2	1.	.74	11.01	1.47	9.61	12.68
Test No. 4		.56	7.54	1.74	10.05	12.55
Pct. Impr.		24.43	31.55	-17.93	4.55	-1.03
Test No. 3	10.	1.43	32.88	1.23	10.18	14.62
Test No. 4		1.17	31.41	1.31	10.03	15.71
Pct. Impr.		18.66	4.47	-6.35	-1.53	7.45

Test Sequence Key

1. After initial test.
2. After correction of maladjustment and disablement (exc. idle CO and RPM adjustment)
3. After idle CO and RPM are reset to specifications.
4. After emission control component repair and major tune up.

TABLE 8 (Continued)

SUMMARY OF EXHAUST EMISSION AND FUEL ECONOMY
RESULTS AND IMPROVEMENTS AT SUCCESSIVE STAGES OF MAINTENANCE

SAN FRANCISCO

FORD MOTOR CO.

	No. VEH	FTP HC	FTP CO	FTP NOxC	FTP MPG	HFET MPG
Test No. 1	17.	1.07	8.67	1.77	12.29	17.88
Test No. 2		.93	8.74	1.75	12.29	17.61
Pct. Impr.		13.17	-.83	.91	-.04	-1.50
Test No. 1	4.	.98	7.99	1.79	13.04	19.03
Test No. 3		.74	4.74	1.89	12.98	18.87
Pct. Impr.		25.00	40.62	-5.49	-.40	-.85
Test No. 1	2.	.55	3.07	2.09	10.71	16.23
Test No. 4		.53	3.22	2.01	10.55	15.93
Pct. Impr.		3.43	-4.59	3.72	-1.44	-1.91
Test No. 2	6.	1.59	18.96	1.79	11.41	16.86
Test No. 3		.93	6.36	2.10	11.70	16.81
Pct. Impr.		41.49	66.44	-17.45	2.53	-.31
Test No. 2	1.	.45	2.14	2.46	11.61	16.42
Test No. 4		.46	2.37	2.33	11.28	16.34
Pct. Impr.		-1.04	-10.81	5.28	-2.83	-.49
Test No. 3	6.	.99	7.02	2.14	11.73	17.12
Test No. 4		1.06	7.40	2.12	11.61	16.98
Pct. Impr.		-7.19	-5.36	1.08	-1.06	-.82

Test Sequence Key

1. After initial test.
2. After correction of maladjustment and disablement (exc. idle CO and RPM adjustment).
3. After idle CO and RPM are reset to specifications.
4. After emission control component repair and major tune up.

TABLE 8 (Continued)

SUMMARY OF EXHAUST EMISSION AND FUEL ECONOMY
RESULTS AND IMPROVEMENTS AT SUCCESSIVE STAGES OF MAINTENANCE

SAN FRANCISCO

GENERAL MOTORS

	No. VEH	FTP HC	FTP CO	FTP NOxC	FTP MPG	HFET MPG
Test No. 1	12.	.97	11.13	2.86	12.24	17.23
Test No. 2		.85	9.64	2.03	12.18	16.96
Pct. Impr.		11.92	13.41	28.83	-.51	-1.57
Test No. 1	8.	.83	6.52	2.11	11.48	16.53
Test No. 3		.69	4.82	1.97	11.34	15.85
Pct. Impr.		16.36	26.07	6.63	-1.24	-4.13
Test No. 1	0.	0.00	0.00	0.00	0.00	0.00
Test No. 4		0.00	0.00	0.00	0.00	0.00
Pct. Impr.		0.00	0.00	0.00	0.00	0.00
Test No. 2	8.	.95	12.28	2.21	11.91	16.94
Test No. 3		.66	5.81	2.23	11.74	16.74
Pct. Impr.		29.90	52.72	-.82	-1.50	-1.19
Test No. 2	0.	0.00	0.00	0.00	0.00	0.00
Test No. 4		0.00	0.00	0.00	0.00	0.00
Pct. Impr.		0.00	0.00	0.00	0.00	0.00
Test No. 3	8.	.76	5.67	2.33	11.44	16.17
Test No. 4		.73	5.92	2.20	11.29	16.00
Pct. Impr.		4.39	-4.50	5.67	-1.34	-1.02

Test Sequence Key

1. After initial test.
2. After correction of maladjustment and disablement (exc. idle CO and RPM adjustment).
3. After idle CO and RPM are reset to specifications.
4. After emission control component repair and major tune up.

TABLE 8 (Continued)

SUMMARY OF EXHAUST EMISSION AND FUEL ECONOMY
RESULTS AND IMPROVEMENTS AT SUCCESSIVE STAGES OF MAINTENANCE

SAN FRANCISCO

ALL VEHICLES

	No. VEH	FTP HC	FTP CO	FTP NOxC	FTP MPG	HFET MPG
Test No. 1	50.	1.00	17.09	2.50	12.00	17.17
Test No. 2		1.00	16.09	1.66	11.69	16.52
Pct. Impr.		-.72	5.85	33.51	-2.56	-3.77
Test No. 1	15.	.85	7.69	1.87	12.28	17.44
Test No. 3		.71	5.90	1.83	12.34	17.25
Pct. Impr.		16.70	23.22	2.20	.43	-1.07
Test No. 1	3.	.62	6.01	1.88	10.76	16.39
Test No. 4		.59	5.66	1.82	10.81	16.24
Pct. Impr.		4.71	5.86	3.58	.42	.92
Test No. 2	25.	1.42	27.58	1.72	10.93	15.91
Test No. 3		1.02	16.46	1.79	11.05	15.70
Pct. Impr.		28.19	40.31	-3.95	1.07	-1.31
Test No. 2	2.	.60	6.58	1.97	10.61	14.55
Test No. 4		.51	4.96	2.03	10.66	14.44
Pct. Impr.		14.75	24.66	-3.40	.51	-.72
Test No. 3	24.	1.10	17.34	1.83	10.99	15.76
Test No. 4		.99	16.91	1.81	10.84	16.13
Pct. Impr.		9.55	2.50	.94	-1.34	2.31

Test Sequence Key

1. After initial test.
2. After correction of maladjustment and disablement (exc. idle CO and RPM adjustment).
3. After idle CO and RPM are reset to specifications.
4. After emission control component repair and major tune up.

Table 9

SUMMARY OF SELECTIVE PARAMETER MALADJUSTMENTS OR DISABLEMENTS ON ALL VEHICLES

CONDITION	No. Veh	FTP HC (gm/mi)	FTP CO (gm/mi)	FTP NOxC (gm/mi)	FTP MPG	HFET MPG
1. Base Test	1	.72	6.75	1.45	12.50	15.82
Plug EGR, full mani vac to distrib, discon air pump		2.06	35.65	5.22	14.67	20.58
% change		186.1%	428.1%	260.0%	17.4%	30.1%
2. Base Test	1	.60	4.62	1.51	11.68	17.51
Plug EGR, full mani vac to distrib, discon air pump, adj to lean best idle.		4.39	92.20	5.28	11.65	17.30
% change		631.7%	1895.7%	249.7%	0.2%	1.8%
3. Base Test	1	.39	3.94	1.42	10.22	15.22
Plug EGR, full mani vac to distrib, discon air pump, adj to lean best idle		1.68	14.76	4.03	11.75	16.45
% change		330.8%	274.6%	183.8%	15.0%	8.1%
4. Base Test	1	.39	5.18	1.53	11.10	15.17
Disable EGR, adj to lean best idle, discon elec choke, by-pass OSAC		.52	5.21	6.65	12.42	17.01
% change		33.3%	0.6%	334.6%	11.9%	12.1%
5. Base Test	1	.64	3.57	1.67	18.58	26.39
Plug EGR, discon air pump, adj to lean best idle, by-pass spark delay		2.22	47.79	5.74	18.28	24.81
% change		246.9%	1238.7%	243.7%	-1.6%	-6.0%

Table 9 (Continued)

SUMMARY OF SELECTIVE PARAMETER MALADJUSTMENTS OR DISABLEMENTS ON ALL VEHICLES

CONDITION	No. Veh	FTP HC (gm/mi)	FTP CO (gm/mi)	FTP NOxC (gm/mi)	FTP MPG	HFET MPG
6. Base Test	1	.51	1.35	1.89	13.91	19.19
Plug EGR, discon air pump, adj to lean best idle, set timing +4		1.83	36.89	5.11	15.41	20.33
% change		258.8%	2632.6%	170.5%	10.8%	5.9%
7. Base Test	1	.44	2.76	1.76	9.81	15.50
Plug EGR, full mani vac to distrib, adj to lean best idle, discon elec choke assist.		.55	9.58	7.71	9.64	16.10
% change		25.0%	247.1%	338.1%	-1.7%	3.9%
8. Base Test	7	.53	4.02	1.60	12.54	17.83
Plug EGR		.45	4.41	4.86	13.17	19.14
% change		-15.1%	9.7%	203.8%	5.0%	7.3%
9. Base Test	5	.57	4.05	1.59	13.37	18.83
Discon air pump		2.63	53.93	.96	13.06	18.66
% change		361.4%	1231.6%	-39.6%	-2.3%	-0.9%
10. Base Test	4	.54	4.52	1.53	11.04	16.01
Full mani vac to distrib		.76	6.43	2.27	11.28	16.16
% change		40.7%	42.3%	48.4%	2.2%	0.9%
11. Base Test	6	.50	3.57	1.63	12.54	18.16
Adj to lean best idle		.55	4.70	1.69	12.08	17.49
% change		10.0%	31.7%	3.7%	-3.7%	-3.7%

Table 9 (Continued)

SUMMARY OF SELECTIVE PARAMETER MALADJUSTMENTS OR DISABLEMENTS ON ALL VEHICLES

CONDITION	No. Veh	FTP HC (gm/mi)	FTP CO (gm/mi)	FTP NOxC (gm/mi)	FTP MPG	HFET MPG
12. Base Test	1	.39	3.94	1.42	10.22	15.22
Set timing +5		.47	4.09	1.74	10.94	16.72
% change		20.5%	3.8%	22.5%	7.0%	9.9%
13. Base Test	1	.51	1.35	1.89	13.91	19.19
Set timing +4		.45	1.19	2.53	13.87	18.59
% change		-11.8%	-11.9%	33.9%	-0.3%	-3.1%
14. Base Test	2	.52	4.38	1.60	14.84	20.78
Partial vac to distrib, by-ass spark delay		.64	4.87	2.53	15.91	21.54
% change		23.1%	11.2%	58.1%	7.2%	3.7%
15. Base Test	2	.42	3.97	1.65	10.46	15.34
Discon elec choke assist		.71	12.09	1.50	9.91	14.55
% change		69.0%	204.5%	-9.1%	-5.3%	-5.1%

four (4) degrees resulted in increased CO emissions. All maladjustments except for disconnecting the air pump and electric choke assist result in increased NOx emissions. Both HC and CO emissions were most sensitive to air pump, choke and full vacuum advance to the distributor respectively. NOx emissions were most sensitive to disabling the EGR.

3.6 VEHICLE DRIVEABILITY PERFORMANCE

Results of the driveability evaluation are presented in Appendix I by test and vehicle number.

APPENDIX A - LISTING OF VEHICLE AND TEST PARAMETERS

Legend

VEH - Vehicle Number

RUN - Run Number

DATE - Date of Test (month, day, year)

YR - Model Year

MAKE - Vehicle Make

MDL - Vehicle Model

C - Number of Cylinders and Rotors

CID - Engine Displacement in Cubic Inches

V - Number of Carburetor Venturis (0: fuel injection)

T - Type of Transmission (1: automatic; 2: semi-automatic; 3: 3-speed manual; 4: 4-speed manual; 5: 5-speed manual)

A - Air Conditioning: (1: Yes; 2: No)

FT - Fuel Tank Capacity in Gallons

IRPM - Idle RPM

IRPMS - Idle RPM

P - PCV System Operational (1: Yes; 2: no)

DW - Ignition Point Dwell in Degrees, actual (99: electronic ignition)

DWS - Ignition Point Dwell in Degrees, specs. (99: electronic ignition)

IGN - Ignition Timing in Degrees, actual (+ indicates before top dead centers; - indicates after top dead center; 000 indicates top dead center)

IGNS - Ignition Timing in Degrees, Manufacturers Specification (+ indicates before top dead centers; - indicates after top dead center; 000 indicates top dead center)

INRT - Dynamometer Inertia Weight Setting

RLHP - Road Load Horsepower Setting

L - Was 10% RLHP added to simulate air conditioner (1: Yes; 2: No)

DB - Dry Bulb Temperature (degrees Fahrenheit)

WB - Wet Bulb Temperature (degrees Fahrenheit)

BAROM - Barometric Pressure (inches Hg)

TEST - Test Number

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APPENDIX A

LISTING OF VEHICLE AND TEST PARAMETERS

SAN FRANCISCO

MANUFACTURER: CHRYSLER

VEH	RUN	DATE	YR	MAKE	MODL	C	CID	V	T	A	FT	IRPM	IRPMS	P	DW	DWS	IGN	IGNS	INRT	RLHP	L	DR	WB	BAROM	TEST
6001	3863	062977	76	DODG	ASPE	6	225	1	1	2	18	0630	0750	2	99	99	+02	+02	4000	13.2	1	75	67	29.07	1
6001	3873	070177	76	DODG	ASPE	6	225	1	1	2	18	0640	0750	2	99	99	+03	+02	4000	13.2	1	74	66	30.07	2
6002	3704	032377	76	DODG	ASPE	6	225	1	1	2	18	0775	0750	2	99	99	+01	+02	4000	13.2	1	80	65	30.13	1
6002	3712	032577	76	DODG	ASPE	6	225	1	1	2	18	0710	0750	2	99	99	+01	+02	4000	13.2	1	72	59	29.88	3
6002	3725	040577	76	DODG	ASPE	6	225	1	1	2	18	0720	0750	2	99	99	+01	+02	4000	13.2	1	79	64	30.15	4
6003	4016	082977	76	DODG	ASPE	6	225	1	1	2	18	0700	0750	2	99	99	+04	+02	4000	13.2	1	75	69	29.87	1
6003	4066	091677	76	DODG	ASPE	6	225	1	1	2	18	0825	0750	2	99	99	+02	+02	4000	13.2	1	73	67	29.86	5
6003	4081	092077	76	DODG	ASPE	6	225	1	1	2	18	0750	0750	2	99	99	+02	+02	4000	13.2	1	76	69	29.93	6
6003	4099	092777	76	DODG	ASPE	6	225	1	1	2	18	1000	0750	2	99	99	+14	+02	4000	13.2	1	75	71	29.87	7
6003	4122	100477	76	DODG	ASPE	6	225	1	1	2	18	0700	0750	2	99	99	+02	+02	4000	13.2	1	74	69	29.85	8
6004	4042	090777	76	DODG	ASPE	8	318	2	1	1	18	0650	0750	2	99	99	-01	000	4000	13.2	1	81	67	29.86	1
6004	4061	091577	76	DODG	ASPE	8	318	2	1	1	18	0630	0750	2	99	99	-02	000	4000	13.2	1	73	68	29.86	2
6004	4076	091977	76	DODG	ASPE	8	318	2	1	1	18	0640	0750	2	99	99	-02	000	4000	13.2	1	76	68	29.91	3
6004	4104	092877	76	DODG	ASPE	8	318	2	1	1	18	0700	0750	2	99	99	000	000	4000	13.2	1	74	69	29.90	4
6005	3721	040177	76	DODG	ASPE	6	225	1	1	2	18	0625	0750	2	99	99	-01	+02	4000	13.2	1	77	61	30.08	1
6005	3729	040777	76	DODG	ASPE	6	225	1	1	2	18	0675	0750	2	99	99	+02	+02	4000	13.2	1	76	65	30.24	2
6006	3768	042977	76	DODG	ASPE	8	318	2	1	2	18	0650	0750	2	99	99	+03	000	4000	13.2	1	77	67	30.12	1
6006	3860	063077	76	DODG	ASPE	8	318	2	1	2	18	0590	0750	2	99	99	000	000	4000	13.2	1	81	69	30.05	2
6006	3870	070177	76	DODG	ASPE	8	318	2	1	2	18	0725	0750	2	99	99	000	000	4000	13.2	1	78	69	30.06	3
6007	3888	071277	76	DODG	ASPE	8	318	2	1	2	18	0715	0750	2	99	99	+01	000	4000	13.2	1	72	63	30.02	1
6007	3896	071477	76	DODG	ASPE	8	318	2	1	2	18	0750	0750	2	99	99	+01	000	4000	13.2	1	73	65	30.02	2
6007	3899	071877	76	DODG	ASPE	8	318	2	1	2	18	0750	0750	2	99	99	+01	000	4000	13.2	1	79	68	30.05	3
5008	3905	072077	75	PLYM	CORO	8	318	2	1	2	26	0750	0750	2	99	99	+03	000	4500	14.0	1	77	67	30.06	1
5008	3956	081177	75	PLYM	CORO	8	318	2	1	2	26	0725	0750	2	99	99	000	000	4500	14.0	1	79	69	30.01	2
6009	4144	101077	76	CHRY	NEWP	8	400	4	1	1	27	0670	0750	2	99	99	+08	+08	5000	14.7	1	76	71	29.88	1
6009	4174	101977	76	CHRY	NEWP	8	400	4	1	1	27	0650	0750	2	99	99	+08	+08	5000	14.7	1	74	69	29.92	2
6009	4187	102177	76	CHRY	NEWP	8	400	4	1	1	27	0725	0750	2	99	99	+08	+08	5000	14.7	1	74	71	29.93	3
6009	4196	102577	76	CHRY	NEWP	8	400	4	1	1	27	0775	0750	2	99	99	+08	+08	5000	14.7	1	73	70	29.92	4
6009	4215	110177	76	CHRY	NEWP	8	400	4	1	1	27	0735	0750	2	99	99	+08	+08	5000	14.7	1	75	71	29.91	A
6010	3887	071277	76	DODG	CHAR	8	400	4	1	1	26	0750	0750	2	99	99	+07	+08	4500	14.0	1	75	65	30.02	1
6010	3986	081777	76	DODG	CHAR	8	400	4	1	1	26	0925	0750	2	99	99	+08	+08	4500	14.0	1	75	71	29.96	5
6010	3998	082377	76	DODG	CHAR	8	400	4	1	1	26	0750	0750	2	99	99	+08	+08	4500	14.0	1	76	68	29.85	6
6010	4008	082577	76	DODG	CHAR	8	400	4	1	1	26	0725	0750	2	99	99	+08	+08	4500	14.0	1	75	68	29.84	7
6010	4032	090177	76	DODG	CHAR	8	400	4	1	1	26	0750	0750	2	99	99	+10	+08	4500	14.0	1	77	68	29.87	8
6010	4056	091477	76	DODG	CHAR	8	400	4	1	1	26	1000	0750	2	99	99	+08	+08	4500	14.0	1	71	66	29.94	9
6011	4009	082677	76	DODG	CORO	8	318	2	1	2	26	0750	0750	2	99	99	+02	000	4500	14.0	1	76	68	29.81	1
6011	4026	083177	76	DODG	CORO	8	318	2	1	2	26	0750	0750	2	99	99	+02	000	4500	14.0	1	73	65	29.84	2
6011	4050	090977	76	DODG	CORO	8	318	2	1	2	26	0775	0750	2	99	99	+01	000	4500	14.0	1	79	71	29.82	4
6012	3996	082277	76	DODG	CHAR	8	360	4	1	1	26	0650	0750	2	99	99	+07	+06	4500	14.0	1	78	70	29.84	1
6012	4010	082677	76	DODG	CHAR	8	360	4	1	1	26	0650	0750	2	99	99	+07	+06	4500	14.0	1	80	70	29.82	2
6012	4058	091477	76	DODG	CHAR	8	360	4	1	1	26	1100	0750	2	99	99	+10	+06	4500	14.0	1	76	69	29.87	5
6012	4100	092777	76	DODG	CHAR	8	360	4	1	1	26	0750	0750	2	99	99	+06	+06	4500	14.0	1	76	71	29.88	6
6012	4083	092177	76	DODG	CHAR	8	360	4	1	1	26	0750	0750	2	99	99	+07	+06	4500	14.0	1	72	66	29.90	7
6012	4088	092277	76	DODG	CHAR	8	360	4	1	1	26	0750	0750	2	99	99	+11	+06	4500	14.0	1	73	67	29.85	8
6012	4096	092677	76	DODG	CHAR	8	360	4	1	1	26	0790	0750	2	99	99	+06	+06	4500	14.0	1	76	71	29.84	9
6012	4105	092877	76	DODG	CHAR	8	360	4	1	1	26	0750	0750	2	99	99	+06	+06	4500	14.0	1	75	69	29.89	0

APPENDIX A

LISTING OF VEHICLE AND TEST PARAMETERS

SAN FRANCISCO

MANUFACTURER: CHRYSLER

VEH	RUN	DATE	YR	MAKE	MODL	C	CID	V	T	A	FT	IRPM	IRPMS	P	DW	DWS	IGN	IGNS	INRT	RLHP	L	DB	WB	BAROM	TEST
6013	4002	082477	76	DODG	MONA	8	440	4	1	1	27	0750	0750	2	99	99	+08	+08	5000	14.7	1	77	69	29.89	1
6013	4009	091677	76	DODG	MONA	8	440	4	1	1	27	0700	0750	2	99	99	+08	+08	5000	14.7	1	78	69	29.90	2
6013	4010	092077	76	DODG	MONA	8	440	4	1	1	27	0750	0750	2	99	99	+08	+08	5000	14.7	1	75	69	29.93	3
6013	4118	100377	76	DODG	MONA	8	440	4	1	1	27	0750	0750	2	99	99	+08	+08	5000	14.7	1	75	71	29.83	4
6013	4146	101177	76	DODG	MONA	8	440	4	1	1	27	0725	0750	2	99	99	+08	+08	5000	14.7	1	73	69	29.96	A
6014	3703	032377	76	PLYM	VOLA	6	225	1	3	2	18	0750	0800	2	99	99	+04	+04	3500	12.3	1	73	62	30.10	1
6014	3705	032477	76	PLYM	VOLA	6	225	1	3	2	18	0800	0800	2	99	99	+04	+04	3500	12.3	1	75	60	30.09	2
6014	3716	033077	76	PLYM	VOLA	6	225	1	3	2	18	0760	0800	2	99	99	+04	+04	3500	12.3	1	75	58	30.15	3
6015	3697	031877	76	PLYM	VALI	6	225	1	1	2	16	0725	0750	2	99	99	+01	+02	3500	12.3	1	72	57	30.16	1
6016	3732	041377	76	PLYM	VOLA	6	225	1	1	1	18	0800	0750	2	99	99	+02	+02	4000	13.2	1	76	65	30.03	1
6016	3741	041977	76	PLYM	VOLA	6	225	1	1	1	18	0775	0750	2	99	99	+02	+02	4000	13.2	1	75	63	29.95	3
6017	3758	042577	76	PLYM	VOLA	6	225	1	1	1	18	0670	0750	2	99	99	+02	+02	4000	13.2	1	77	67	30.13	1
6018	3754	042277	76	PLYM	VOLA	6	225	1	1	2	16	0815	0750	2	99	99	+03	+02	4000	13.2	1	77	62	30.11	1
6018	3774	050377	76	PLYM	VOLA	6	225	1	1	2	16	0700	0750	2	99	99	+01	+02	4000	13.2	1	77	65	30.06	2
6019	3878	070777	76	PLYM	VALI	6	225	1	1	1	16	0750	0750	2	99	99	+02	+02	3500	12.3	1	76	66	30.05	1
6020	3879	070777	76	PLYM	VOLA	6	318	2	1	1	18	0725	0750	2	99	99	-02	000	4000	13.2	1	79	67	30.04	1
6020	3902	071577	76	PLYM	VOLA	8	318	2	1	1	18	0740	0750	2	99	99	-02	000	4000	13.2	1	79	67	30.02	2
6020	3908	072177	76	PLYM	VOLA	8	318	2	1	1	18	0750	0750	2	99	99	-02	000	4000	13.2	1	80	69	30.08	3
6020	3947	080477	76	PLYM	VOLA	8	318	2	1	1	18	0750	0750	2	99	99	000	000	4000	13.2	1	79	71	29.94	4
6020	3885	071177	76	PLYM	VOLA	8	318	2	1	1	18	0720	0750	2	99	99	-02	000	4000	13.2	1	72	63	30.06	6
6020	3895	071477	76	PLYM	VOLA	8	318	2	1	1	18	0730	0750	2	99	99	-02	000	4000	13.2	1	78	67	30.02	7
6020	3917	081677	76	PLYM	VOLA	8	318	2	1	1	18	0670	0750	2	99	99	-02	000	4000	13.2	1	82	77	29.79	A
6021	3868	062477	76	PLYM	VOLA	8	318	2	1	1	21	0715	0750	2	99	99	+05	000	4000	13.2	1	71	64	30.00	1
6021	3869	063077	76	PLYM	VOLA	8	318	2	1	1	21	0625	0750	2	99	99	+01	000	4000	13.2	1	73	67	29.08	2
6022	3883	070877	76	PLYM	VOLA	6	225	1	1	2	18	0575	0750	2	99	99	+08	+02	4000	13.2	1	79	67	30.06	1
6023	3906	072077	76	PLYM	FURY	8	318	2	1	1	26	0715	0750	2	99	99	-03	000	4500	14.0	1	80	70	30.05	1
6023	3913	072277	76	PLYM	FURY	8	318	2	1	1	26	0750	0750	2	99	99	-01	000	4500	14.0	1	78	70	29.99	2
6023	3958	081177	76	PLYM	FURY	8	318	2	1	1	26	0800	0750	2	99	99	000	000	4500	14.0	1	73	68	29.96	5
6023	4011	082677	76	PLYM	FURY	8	318	2	1	1	26	0725	0750	2	99	99	000	000	4500	14.0	1	80	71	29.73	6
6023	4020	083077	76	PLYM	FURY	8	318	2	1	1	26	0760	0750	2	99	99	000	000	4500	14.0	1	75	66	29.83	7
6023	4059	091477	76	PLYM	FURY	8	318	2	1	1	26	0730	0750	2	99	99	000	000	4500	14.0	1	74	68	29.88	8
6023	4046	090877	76	PLYM	FURY	8	318	2	1	1	26	0725	0750	2	99	99	000	000	4500	14.0	1	80	71	29.83	9
6024	3886	071277	76	PLYM	FURY	8	318	2	1	1	26	0850	0750	2	99	99	-02	000	4500	14.0	1	78	65	30.08	1
6025	3857	062877	76	PLYM	FURY	8	360	4	1	1	26	0780	0750	2	99	99	+06	+06	4500	14.0	1	79	69	30.08	1
6025	3876	070677	76	PLYM	FURY	8	360	4	1	1	26	0750	0750	2	99	99	+06	+06	4500	14.0	1	82	69	30.06	4
6025	3882	070877	76	PLYM	FURY	8	360	4	1	1	26	0730	0750	2	99	99	+06	+06	4500	14.0	1	79	69	30.00	6
6026	3901	072277	75	PLYM	FURY	8	400	4	1	1	21	0675	0750	2	99	99	+06	+06	4500	14.0	1	81	68	30.05	A
6026	3951	080577	75	PLYM	FURY	8	400	4	1	1	21	0640	0750	2	99	99	+08	+08	5000	14.7	1	80	71	30.02	1
6026	3993	081477	75	PLYM	FURY	8	400	4	1	1	21	0720	0750	2	99	99	+08	+08	5000	14.7	1	77	69	29.94	2
6026	4013	082977	75	PLYM	FURY	8	400	4	1	1	21	0770	0750	2	99	99	+08	+08	5000	14.7	1	75	70	29.91	3
6026	4033	090177	75	PLYM	FURY	8	400	4	1	1	21	0725	0750	2	99	99	+08	+08	5000	14.7	1	78	71	29.87	4
6026	4033	090177	75	PLYM	FURY	8	400	4	1	1	21	0725	0750	2	99	99	+08	+08	5000	14.7	1	75	67	29.88	A
6027	4004	082577	76	PLYM	VOLA	6	225	1	1	1	18	0745	0750	2	99	99	+04	+02	4000	13.2	1	73	67	29.98	1
6027	4015	082977	76	PLYM	VOLA	6	225	1	1	1	18	0770	0750	2	99	99	+02	+02	4000	13.2	1	75	70	29.84	3
6027	4035	090277	76	PLYM	VOLA	6	225	1	1	1	18	0760	0750	2	99	99	+02	+02	4000	13.2	1	76	69	29.92	4

APPENDIX A

LISTING OF VEHICLE AND TEST PARAMETERS

SAN FRANCISCO

MANUFACTURER: CHRYSLER

VEH	RUN	DATE	YR	MAKE	MODL	C	CID	V	T	A	FT	IRPM	IRPMS	P	DW	DWS	IGN	IGNS	INRT	RLHP	L	DR	WB	BAROM	TEST
6028	3907	072077	76	PLYM	FURY	8	360	4	1	1	26	1040	0750	2	99	99	+10	+06	4500	14.0	1	75	67	30.05	1
6028	3949	080577	76	PLYM	FURY	8	360	4	1	1	26	0750	0750	2	99	99	+06	+06	4500	14.0	1	79	69	30.00	2
6028	3964	081277	76	PLYM	FURY	8	360	4	1	1	26	0675	0750	2	99	99	+06	+06	4500	14.0	1	74	66	29.84	3
6028	4004	082477	76	PLYM	FURY	8	360	4	1	1	26	0780	0750	2	99	99	+06	+06	4500	14.0	1	75	69	29.87	4
6028	4031	090177	76	PLYM	FURY	8	360	4	1	1	26	0675	0750	2	99	99	+06	+06	4500	14.0	1	80	70	29.86	A
6029	4043	090777	76	PLYM	VOLA	8	318	2	1	2	18	0975	0750	2	99	99	-01	000	4000	13.2	1	78	67	29.87	1
6029	4086	092177	76	PLYM	VOLA	8	318	2	1	2	18	0750	0750	2	99	99	-02	000	4000	13.2	1	76	71	29.87	2
6030	4000	082377	76	CHRY	CORO	8	400	4	1	1	26	0780	0750	2	99	99	+07	+08	4500	14.0	1	80	70	29.86	1
6031	3849	062777	76	CHRY	CORD	4	360	4	1	1	26	0725	0750	2	99	99	+02	+06	4500	14.0	1	76	67	31.00	1
6031	3877	070677	76	CHRY	CORD	8	360	4	1	1	26	0760	0750	2	99	99	+06	+06	4500	14.0	1	77	67	30.04	2
6031	3864	062977	76	CHRY	CORD	8	360	4	1	1	26	0790	0750	2	99	99	+06	+06	4500	14.0	1	75	67	29.07	6
6032	3898	071577	76	CHRY	NEWP	8	400	4	1	1	27	0750	0750	2	99	99	+07	+08	5000	14.7	1	79	67	30.05	1
6032	3963	081277	76	CHRY	NEWP	8	400	4	1	1	27	0750	0750	2	99	99	+07	+08	5000	14.7	1	77	69	29.81	2
6032	4003	082477	76	CHRY	NEWP	8	400	4	1	1	27	0765	0750	2	99	99	+08	+08	5000	14.7	1	81	71	29.86	3
6032	4022	083177	76	CHRY	NEWP	8	400	4	1	1	27	0750	0750	2	99	99	+06	+08	5000	14.7	1	73	65	29.84	4
6033	4115	093077	76	CHRY	NEWP	8	400	4	1	1	27	0675	0750	2	99	99	+10	+08	5000	14.7	1	79	74	29.79	1
6033	4128	100577	76	CHRY	NEWP	8	400	4	1	1	27	0725	0750	2	99	99	+10	+08	5000	14.7	1	76	71	29.91	2
6033	4139	100777	76	CHRY	NEWP	8	400	4	1	1	27	0650	0750	2	99	99	+10	+08	5000	14.7	1	75	70	29.83	3
6033	4159	101477	76	CHRY	NEWP	8	400	4	1	1	27	0780	0750	2	99	99	+07	+08	5000	14.7	1	75	71	29.94	4
6033	4180	102077	76	CHRY	NEWP	8	400	4	1	1	27	0750	0750	2	99	99	+08	+08	5000	14.7	1	74	70	29.97	A

APPENDIX A

LISTING OF VEHICLE AND TEST PARAMETERS

SAN FRANCISCO

MANUFACTURERS: FORD

VEH	RUN	DATE	YR	MAKE	MODEL	C	CID	V	T	A	FT	IHPM	IHPMS	P	DB	DNS	IGN	IGNS	INRT	RLHP	L	UB	WB	BAROM	TEST
6034	4071	091677	76	FORD	PINT	4	140	2	4	2	13	0875	0850	2	99	99	+05	+06	3000	10.3	2	75	67	29.91	1
6035	4082	092177	76	FORD	MUST	8	171	2	1	1	17	0750	0800	2	99	99	+05	+06	3500	12.3	1	73	68	29.92	1
6035	4107	042677	76	FORD	MUST	8	171	2	1	1	17	0925	0800	2	99	99	+08	+06	3500	12.3	1	80	74	29.87	3
6035	4121	100677	76	FORD	MUST	8	171	2	1	1	17	0825	0800	2	99	99	+05	+06	3500	12.3	1	74	68	29.82	4
6035	4132	100677	76	FORD	MUST	8	171	2	1	1	17	0850	0800	2	99	99	+06	+06	3500	12.3	1	78	72	29.92	4
6036	4142	102177	76	FORD	PINT	4	140	2	1	2	13	0600	0750	2	99	99	+15	+20	3000	10.3	2	75	70	29.98	1
6036	4150	102477	76	FORD	PINT	4	140	2	1	2	13	0650	0750	2	99	99	+20	+20	3000	10.3	2	76	73	29.95	2
6036	4237	111077	76	FORD	PINT	4	140	2	1	2	13	0775	0750	2	99	99	+20	+20	3000	10.3	2	72	70	30.04	5
6036	4243	111177	76	FORD	PINT	4	140	2	1	2	13	0780	0750	2	99	99	+20	+20	3000	10.3	2	76	74	30.11	6
6036	4254	111577	76	FORD	PINT	4	140	2	1	2	13	0750	0750	2	99	99	+20	+20	3000	10.3	2	73	68	29.92	7
6036	4266	111777	76	FORD	PINT	4	140	2	1	2	13	0750	0750	2	99	99	+20	+20	3000	10.3	2	73	63	29.91	8
6036	4279	112377	76	FORD	PINT	4	140	2	1	2	13	0750	0750	2	99	99	+20	+20	3000	10.3	2	73	62	30.10	9
6037	4153	101277	76	FORD	MUST	4	140	2	1	2	17	0680	0750	2	99	99	+19	+20	3000	10.3	2	76	72	29.89	1
6038	4193	102477	76	FORD	MUST	8	171	2	4	2	17	0850	0850	2	99	99	+10	+08	3500	12.3	1	77	72	29.94	1
6039	4197	102677	76	FORD	MAVE	8	250	1	1	2	19	0650	0600	2	99	99	+03	+04	3500	12.3	1	75	71	29.89	1
6039	4212	110177	76	FORD	MAVE	8	250	1	1	2	19	0650	0600	2	99	99	+08	+04	3500	12.3	1	78	74	29.92	5
6039	4222	110377	76	FORD	MAVE	8	250	1	1	2	19	0625	0600	2	99	99	+04	+04	3500	12.3	1	77	71	29.82	6
6039	4229	110777	76	FORD	MAVE	8	250	1	1	2	19	0630	0600	2	99	99	+04	+04	3500	12.3	1	73	69	29.87	7
6039	4236	111077	76	FORD	MAVE	8	250	1	1	2	19	0625	0600	2	99	99	+08	+04	3500	12.3	1	71	69	30.04	8
6040	4163	101077	76	FORD	GRAN	8	250	1	3	2	19	0775	0850	2	99	99	+03	+06	4000	13.2	1	75	71	29.96	9
6040	4192	102477	76	FORD	GRAN	8	250	1	3	2	19	0760	0850	2	99	99	+06	+06	4000	13.2	1	77	71	30.00	1
6040	4205	102777	76	FORD	GRAN	8	250	1	1	2	19	0835	0850	2	99	99	+06	+06	4000	13.2	1	74	70	30.08	2
6041	4054	091377	76	FORD	MAVE	8	250	1	1	2	19	0850	0800	2	99	99	+09	+04	3500	12.3	1	73	69	29.92	3
6041	4077	091977	76	FORD	MAVE	8	250	1	1	2	19	0900	0800	2	99	99	+09	+04	3500	12.3	1	74	67	29.93	1
6042	4133	100677	76	FORD	MAVE	8	[illegible]	1	1	2	19	0500	0800	2	99	99	+05	+04	3500	12.3	1	73	68	29.93	2
6042	4143	101677	76	FORD	MAVE	8	[illegible]	1	1	2	19	0600	0800	2	99	99	+05	+04	3500	12.3	1	76	71	29.94	1
6043	4075	091977	76	FORD	MAVE	8	[illegible]	1	1	2	19	0650	0800	2	99	99	+07	+04	3500	12.3	1	74	70	29.95	3
6043	4108	092977	76	FORD	MAVE	8	250	1	1	2	19	0850	0800	2	99	99	+09	+04	3500	12.3	1	75	69	29.92	1
6044	4068	091677	76	FORD	GRAN	8	302	2	1	1	19	0715	0700	2	99	99	+06	+08	4000	13.2	1	77	68	29.88	2
6044	4079	092077	76	FORD	GRAN	8	302	2	1	1	19	0750	0700	2	99	99	+06	+06	4000	13.2	1	78	70	29.91	2
6045	4124	100577	76	FORD	GRAN	8	302	2	1	1	19	0730	0700	2	99	99	+08	+08	4000	13.2	1	76	70	29.86	1
6045	4155	101477	76	FORD	GRAN	8	351	2	1	2	19	0550	0650	2	99	99	+08	+10	4000	13.2	1	73	67	29.84	1
6046	4140	101477	76	FORD	TORI	8	351	2	1	1	22	0825	0850	2	99	99	+02	+08	4500	14.8	1	73	70	29.90	1
6046	4171	101977	76	FORD	TORI	8	351	2	1	1	22	0700	0850	2	99	99	+08	+08	4500	14.8	1	77	71	29.91	2
6046	4183	102377	76	FORD	TORI	8	351	2	1	1	22	0825	0850	2	99	99	+07	+08	5000	16.2	1	76	70	29.90	1
6047	4202	102777	76	FORD	TORI	8	351	2	1	1	22	0920	0850	2	99	99	+08	+08	5000	16.2	1	75	70	29.91	2
6047	4217	110377	76	FORD	TORI	8	351	2	1	1	22	0815	0850	2	99	99	+04	+08	4500	14.8	1	76	73	29.83	1
6047	4226	110677	76	FORD	TORI	8	351	2	1	1	22	0740	0850	2	99	99	+08	+08	4500	14.8	1	75	72	29.77	2
6047	4239	111077	76	FORD	TORI	8	351	2	1	1	22	0760	0850	2	99	99	+08	+08	4500	14.8	1	75	72	29.99	3
6048	4253	111577	76	FORD	TORI	8	351	2	1	2	22	0760	0850	2	99	99	+05	+08	4500	14.8	1	78	76	29.99	5
6048	4261	111777	76	FORD	TORI	8	351	2	1	2	22	0760	0850	2	99	99	+08	+08	5000	16.2	1	78	76	29.88	6
6048	4274	112377	76	FORD	TORI	8	351	2	1	1	22	0840	0850	2	99	99	+08	+08	5000	16.2	1	78	71	29.90	7
6048	4284	112477	76	FORD	TORI	8	351	2	1	1	22	0860	0850	2	99	99	+08	+08	5000	16.2	1	77	70	29.92	8
6048	4298	112977	76	FORD	TORI	8	351	2	1	1	22	0860	0850	2	99	99	+08	+08	5000	16.2	1	78	71	29.90	9

APPENDIX A

LISTING OF VEHICLE AND TEST PARAMETERS

SAN FRANCISCO

MANUFACTURER: FORD

VEH	RUN	DATE	YR	MAKE	MODL	C	CID	V	T	A	FT	IRPM	IRPMS	P	DW	DWS	IGN	IGNS	INHT	MLMP	L	DB	WB	RHOM	TEST
6052	4265	111777	76	FORD	TORI	8	351	2	1	1	21	0575	0650	2	99	99	.02	.08	5000	14.7	1	77	67	29.89	1
6052	4277	112377	76	FORD	TORI	8	351	2	1	1	21	0600	0650	2	99	99	.08	.08	5000	14.7	1	75	64	30.04	2
6053	4269	111877	76	FORD	LTD	8	351	2	1	1	24	0630	0650	2	99	99	.04	.08	5000	14.7	1	73	62	29.88	1
6053	4278	112377	76	FORD	LTD	8	351	2	1	1	24	0675	0650	2	99	99	.08	.08	5000	14.7	1	75	6.	30.04	2
6054	4296	120177	76	FORD	LTD	8	351	2	1	1	24	0640	0650	2	99	99	.08	.08	5000	14.7	1	79	62	30.00	1
6054	4300	120577	76	FORD	LTD	8	351	2	1	1	24	0610	0650	2	99	99	.08	.08	5000	14.7	1	75	66	29.93	3
6055	4268	111877	76	FORD	LTD	8	400	2	1	1	24	0635	0625	2	99	99	.11	.10	5000	14.7	1	77	64	29.88	1
6056	4280	112377	76	FORD	MAVE	6	250	1	1	2	19	0550	0600	2	99	99	.19	.04	3500	12.3	1	78	65	30.10	1
6056	4285	112977	76	FORD	MAVE	6	250	1	1	2	19	0480	0600	2	99	99	.04	.04	3500	12.3	1	76	66	30.04	2
6057	4282	112377	76	FORD	GRAN	6	250	1	1	1	19	0575	0650	2	99	99	.11	.04	4000	13.2	1	77	66	30.03	1
6057	4286	112977	76	FORD	GRAN	6	250	1	1	1	19	0570	0650	2	99	99	.04	.04	4000	13.2	1	72	63	30.11	2
6058	4270	111877	76	MERC	MONA	8	302	2	1	1	19	0450	0700	2	99	99	.17	.08	4000	13.2	1	75	63	29.88	1
6058	4284	112877	76	MERC	MONA	8	302	2	1	1	19	0375	0700	2	99	99	.08	.08	4000	13.2	1	75	65	29.98	2
6058	4303	120577	76	MERC	MONA	8	302	2	1	1	19	0700	0700	2	99	99	.08	.08	4000	13.2	1	75	66	29.94	3
6058	4340	121577	76	MERC	MONA	8	302	2	1	1	19	0610	0700	2	99	99	.08	.08	4000	13.2	1	75	67	30.06	4
6058	4313	120977	76	MERC	MONA	8	302	2	1	1	19	0720	0700	2	99	99	.08	.08	4000	13.2	1	75	64	29.96	6
6059	4145	101077	76	MERC	MONA	8	302	2	1	1	19	0700	0700	2	99	99	.08	.08	4000	13.2	1	74	70	29.96	1
6060	4157	101377	76	MERC	MONA	8	302	2	1	1	19	0580	0700	2	99	99	.10	.08	4000	13.2	1	76	73	29.90	1
6060	4169	101877	76	MERC	MONA	8	302	2	1	1	19	0700	0700	2	99	99	.09	.08	4000	13.2	1	73	69	29.92	3
6060	4191	102477	76	MERC	MONA	8	302	2	1	1	19	0700	0700	2	99	99	.08	.08	4000	13.2	1	76	73	29.95	4
6060	4210	103177	76	MERC	MONA	8	302	2	1	1	19	0730	0700	2	99	99	.08	.08	4000	13.2	1	74	70	29.98	A
6061	4203	102777	76	MERC	MONG	8	351	2	1	1	27	0660	0650	2	99	99	.03	.08	4500	14.0	1	75	71	29.83	1
6061	4213	110177	76	MERC	MONG	8	351	2	1	1	27	0675	0650	2	99	99	.08	.08	4500	14.0	1	76	72	29.89	2
6061	4221	110377	76	MER	MONG	8	351	2	1	1	27	0630	0650	2	99	99	.08	.08	4500	14.0	1	74	70	29.80	4
6061	4227	110477	76	MERC	MONG	8	351	2	1	1	27	0570	0650	2	99	99	.07	.08	4500	14.0	1	72	70	29.96	A
6062	4274	112277	76	MERC	MONG	8	351	2	1	1	21	0580	0650	2	99	99	.15	.08	5000	14.7	1	78	67	30.04	1
6062	4283	112877	76	MERC	MONG	8	351	2	1	1	21	0530	0650	2	99	99	.08	.08	5000	14.7	1	75	67	29.92	2
6062	4296	120277	76	MERC	MONG	8	351	2	1	1	21	0625	0650	2	99	99	.08	.08	5000	14.7	1	73	60	29.97	3
6062	4341	121577	76	MERC	MONG	8	351	2	1	1	21	0580	0650	2	99	99	.08	.08	5000	14.7	1	76	67	30.06	4
6062	4309	120877	76	MERC	MONG	8	351	2	1	1	21	0590	0650	2	99	99	.08	.08	5000	14.7	1	77	67	29.94	6
6063	4123	100577	76	MERC	COUG	8	400	2	1	1	27	0670	0625	2	99	99	.06	.10	5000	14.7	1	76	71	29.86	1
6063	4138	100777	76	MERC	COUG	8	400	2	1	1	27	0775	0625	2	99	99	.11	.10	5000	14.7	1	77	71	29.84	2
6063	4158	101377	76	MERC	COUG	8	400	2	1	1	27	0610	0625	2	99	99	.10	.10	5000	14.7	1	74	71	29.93	3
6064	4264	111777	76	MERC	MARQ	8	400	2	1	1	24	0575	0625	2	99	99	.11	.10	5000	14.7	1	79	66	29.98	1
6065	4200	102677	76	LINC	MARK	8	460	4	1	1	27	0760	0650	2	99	99	.14	.14	5500	15.3	1	73	70	29.87	1
6065	4230	110777	76	LINC	MARK	8	460	4	1	1	27	0725	0650	2	99	99	.14	.14	5500	15.3	1	73	71	29.83	5
6065	4240	111077	76	LINC	MARK	8	460	4	1	1	27	0675	0650	2	99	99	.14	.14	5500	15.3	1	76	74	30.02	6
6065	4250	111477	76	LINC	MARK	8	460	4	1	1	27	0730	0650	2	99	99	.14	.14	5500	15.3	1	78	72	29.90	7
6065	4267	111777	76	LINC	MARK	8	460	4	1	1	27	0675	0650	2	99	99	.14	.14	5500	15.3	1	71	62	29.90	8
6065	4275	112277	76	LINC	MARK	8	460	4	1	1	27	0675	0650	2	99	99	.14	.14	5500	15.3	1	75	66	30.04	9
6066	4201	102677	76	LINC	CONT	8	460	4	1	1	24	0625	0650	2	99	99	.12	.14	5500	15.3	1	73	70	29.82	1
6066	4208	102877	76	LINC	CONT	8	460	4	1	1	24	0500	0650	2	99	99	.12	.14	5500	15.3	1	75	71	29.95	2
6066	4216	110277	76	LINC	CONT	8	460	4	1	1	24	0660	0650	2	99	99	.12	.14	5500	15.3	1	71	69	29.89	3
6066	4228	110777	76	LINC	CONT	8	460	4	1	1	24	0640	0650	2	99	99	.12	.14	5500	15.3	1	72	69	29.87	4

APPENDIX A

LISTING OF VEHICLE AND TEST PARAMETERS

SAN FRANCISCO

MANUFACTURER: GEN MTRS

VEH	RUN	DATE	YR	MAKE	MODL	C	CID	W	T	A	FI	INPM	IMPMS	P	DW	DWS	IGN	IGNS	INRT	RLMP	L	DB	WB	BAROM	TEST
A067	4297	120277	76	BUIC	SKYL	6	231	2	1	2	21	0550	0600	2	99	99	+08	+12	4000	13.2	1	76	66	29.97	1
A067	4305	120677	76	BUIC	SKYL	6	231	2	1	2	21	0575	0600	2	99	99	+12	+12	4000	13.2	1	79	71	29.93	2
A067	4317	121077	76	BUIC	SKYL	6	231	2	1	2	21	0625	0600	2	99	99	+12	+12	4000	13.2	1	78	67	29.97	3
A068	4358	122077	76	BUIC	REGA	6	231	2	1	1	22	0570	0600	2	99	99	+13	+12	4000	13.2	1	71	56	30.14	1
A068	4370	122277	76	BUIC	REGA	6	231	2	1	1	22	0530	0600	2	99	99	+13	+12	4000	13.2	1	75	66	29.95	2
A069	4325	121377	76	BUIC	CNTY	8	350	4	1	1	22	0480	0600	2	99	99	+12	+12	5000	14.7	1	74	64	30.05	1
A069	4352	121977	76	BUIC	CNTY	8	350	4	1	1	22	0570	0600	2	99	99	+12	+12	5000	14.7	1	72	60	30.02	3
A070	4355	121977	76	BUIC	LESA	8	350	4	1	1	26	0610	0600	2	99	99	+13	+12	5000	14.7	1	76	57	30.12	1
A071	4334	121477	76	BUIC	ESTA	8	455	4	1	1	22	0535	0600	2	99	99	+08	+12	5500	15.8	1	76	65	30.06	1
A071	4357	121977	76	BUIC	ESTA	8	455	4	1	1	22	0580	0600	2	99	99	+11	+12	5500	15.8	1	75	57	30.14	2
A071	4371	122277	76	BUIC	ESTA	8	455	4	1	1	22	0580	0600	2	99	99	+12	+12	5500	15.8	1	73	65	29.98	3
A071	4377	010578	76	BUIC	ESTA	8	455	4	1	1	22	0625	0600	2	99	99	+12	+12	5500	15.8	1	71	61	30.19	4
A072	4304	120677	76	CADI	DEVI	8	500	0	1	1	28	0630	0600	2	99	99	+10	+12	5500	15.8	1	77	67	29.96	1
A073	4314	120977	76	CADI	DEVI	8	500	4	1	1	26	0580	0600	2	99	99	+05	+06	5500	15.3	1	78	66	29.96	1
A073	4319	121077	76	CADI	DEVI	8	500	4	1	1	26	0590	0600	2	99	99	+05	+06	5500	15.3	1	75	66	30.01	3
A074	4338	121577	76	CHEV	CHET	4	085	1	4	2	13	0915	1000	2	99	99	+11	+10	2250	08.8	2	73	65	29.98	1
A075	4349	121877	76	CHEV	IMPA	8	400	4	1	1	26	0600	0600	2	99	99	+08	+08	5000	14.7	1	75	63	30.02	1
A075	4375	122277	76	CHEV	IMPA	8	400	4	1	1	26	0575	0600	2	99	99	+08	+08	5000	14.7	1	76	67	30.05	3
A075	4384	010978	76	CHEV	IMPA	8	400	4	1	1	26	0620	0600	2	99	99	+08	+08	5000	14.7	1	75	65	29.99	4
A076	4396	011378	76	CHEV	MONZ	8	305	2	1	2	19	0600	0600	2	99	99	+05	000	3500	12.3	1	77	64	30.18	1
A076	4420	012578	76	CHEV	MONZ	8	305	2	1	2	19	0580	0600	2	99	99	+02	000	3500	12.3	1	73	65	30.08	2
A077	4323	121477	76	CHEV	NOVA	6	250	1	1	2	21	0500	0600	2	99	99	+09	+10	4000	13.2	1	75	66	30.04	1
A078	4390	011278	76	CHEV	CAPR	8	400	4	1	1	26	0600	0600	2	99	99	+12	+08	5000	14.7	1	76	65	30.25	1
A078	4395	011378	76	CHEV	CAPR	8	400	4	1	1	26	0600	0600	2	99	99	+08	+08	5000	14.7	1	74	63	30.12	2
A079	4405	011978	76	CHEV	NOVA	6	250	1	1	2	21	0560	0600	2	99	99	+10	+10	4000	13.2	1	76	66	29.88	1
A080	4394	011278	76	CHEV	IMPA	8	400	4	1	1	22	0600	0600	2	99	99	+07	+08	5500	15.3	1	74	64	30.28	1
A081	4402	011878	76	CHEV	MONT	8	350	4	1	1	22	0560	0600	2	99	99	+03	+06	4500	14.0	1	75	64	30.02	1
A081	4408	012078	76	CHEV	MONT	8	350	4	1	1	22	0570	0600	2	99	99	+06	+06	4500	14.0	1	71	61	29.92	2
A081	4419	012578	76	CHEV	MONT	8	350	4	1	1	22	0610	0600	2	99	99	+06	+06	4500	14.0	1	73	65	30.09	3
A081	4424	013078	76	CHEV	MONT	8	350	4	1	1	22	0610	0600	2	99	99	+06	+06	4500	14.0	1	75	67	29.90	4
A082	4310	120877	76	CHEV	MONT	8	350	4	1	1	22	0630	0600	2	99	99	+08	+06	4500	14.0	1	74	64	29.88	1
A082	4318	121077	76	CHEV	MONT	8	350	4	1	1	22	0615	0600	2	99	99	+08	+06	4500	14.0	1	76	67	29.92	2
A082	4335	121477	76	CHEV	MONT	8	350	4	1	1	22	0610	0600	2	99	99	+08	+06	4500	14.0	1	75	67	30.06	3
A083	4311	120877	76	CHEV	MONT	8	350	4	1	1	22	0540	0600	2	99	99	+07	+06	4500	14.0	1	73	63	29.96	1
A083	4316	121077	76	CHEV	MONT	8	350	4	1	1	22	0620	0600	2	99	99	+06	+06	4500	14.0	1	78	67	30.03	3
A083	4362	122077	76	CHEV	MONT	8	350	4	1	1	22	0615	0600	2	99	99	+06	+06	4500	14.0	1	74	60	30.04	4
A083	4346	121677	76	CHEV	MONT	8	350	4	1	1	22	0590	0600	2	99	99	+06	+06	4500	14.0	1	75	66	29.90	6
A084	4312	120877	76	CHEV	MONT	8	350	4	1	1	22	0620	0600	2	99	99	+04	+06	4500	14.0	1	74	63	29.97	1
A085	4404	011878	76	CHEV	MONT	8	400	4	1	1	22	0600	0600	2	99	99	+08	+08	4500	14.0	1	73	64	29.98	1
A085	4409	012078	76	CHEV	MONT	8	400	4	1	1	22	0600	0600	2	99	99	+08	+06	4500	14.0	1	74	64	29.99	2
A085	4418	012578	76	CHEV	MONT	8	400	4	1	1	22	0700	0600	2	99	99	+08	+06	4500	14.0	1	72	64	30.20	3
A085	4424	013078	76	CHEV	MONT	8	400	4	1	1	22	0610	0600	2	99	99	+06	+06	4500	14.0	1	73	66	29.95	4
A086	4354	121977	76	CHEV	CAPR	8	350	4	1	1	26	0510	0600	2	99	99	+06	+06	5000	14.7	1	74	60	30.12	1
A086	4363	122177	76	CHEV	CAPR	8	350	4	1	1	26	0480	0600	2	99	99	+06	+06	5000	14.7	1	72	59	29.99	2
A086	4376	010378	76	CHEV	CAPR	8	350	4	1	1	26	0625	0600	2	99	99	+06	+06	5000	14.7	1	71	61	29.97	3

APPENDIX A

LISTING OF VEHICLE AND TEST PARAMETERS

SAN FRANCISCO

MANUFACTURERS CODE NUMS

VEH	RUN	DATE	TR	MAKE	MODL	C	CID	V	T	A	FT	INPM	INPMS	P	DW	DWS	IGN	IGNS	INRT	RLHP	L	DB	WB	BAROM	TEST
6087	4373	122377	76	CHEV	IMPA	8	350	4	1	1	26	0600	0600	2	99	99	+08	+06	5000	14.7	1	76	65	30.04	1
6087	4380	010678	76	CHEV	IMPA	8	350	4	1	1	26	0630	0600	2	99	99	+08	+06	5000	14.7	1	75	67	30.10	3
6087	4398	011578	76	CHEV	IMPA	8	350	4	1	1	26	0650	0600	2	99	99	+06	+06	5000	14.0	1	75	64	30.04	4
6088	4374	122377	76	CHEV	IMPA	8	350	4	1	1	26	0615	0600	2	99	99	+07	+06	5000	14.7	1	74	66	30.02	1
6088	4379	010578	76	CHEV	IMPA	8	350	4	1	1	26	0625	0600	2	99	99	+07	+06	5000	14.7	1	75	66	30.10	3
6088	4382	010978	76	CHEV	IMPA	8	350	4	1	1	26	0580	0600	2	99	99	+06	+06	5000	14.7	1	76	66	29.99	4
6089	4350	121677	76	CHEV	IMPA	8	400	4	1	1	22	0575	0600	2	99	99	+08	+08	5500	15.3	1	75	66	30.01	1
6089	4367	122277	76	CHEV	IMPA	8	400	4	1	1	22	0550	0600	2	99	99	+08	+06	5500	15.3	1	74	65	29.89	2
6090	4412	012078	76	OLDS	CUTL	8	350	4	1	1	22	0575	0600	2	99	99	+20	+20	4500	14.0	1	72	63	30.04	1
6091	4360	122077	76	OLDS	CUTL	8	350	4	1	1	22	0525	0600	2	99	99	+18	+20	4500	14.0	1	76	59	30.08	1
6091	4368	122277	76	OLDS	CUTL	8	350	4	1	1	22	0610	0600	2	99	99	+18	+20	4500	14.0	1	75	64	29.86	3
6092	4315	120477	76	OLDS	CUTL	8	350	4	1	1	22	0590	0650	2	99	99	+20	+20	4500	14.0	1	78	67	29.96	1
6093	4410	012078	76	OLDS	DELT	8	350	4	1	1	26	0550	0600	2	99	99	+19	+20	5000	14.7	1	72	64	29.99	1
6093	4422	012678	76	OLDS	DELT	8	350	4	1	1	26	0535	0600	2	99	99	+19	+20	5000	14.7	1	77	67	29.98	2
6093	4425	013078	76	OLDS	DELT	8	350	4	1	1	26	0600	0600	2	99	99	+19	+20	5000	14.7	1	74	67	29.89	3
6094	4372	122377	76	OLDS	DELT	8	455	4	1	1	26	0600	0600	2	99	99	+17	+16	5000	14.7	1	77	68	29.96	1
6095	4417	012578	76	OLDS	CUTL	8	350	4	1	1	22	0600	0600	2	99	99	+19	+20	4500	14.0	1	75	66	30.20	1
6096	4348	121677	76	PONT	ASTR	4	140	2	1	2	16	0635	0750	2	99	99	+13	+12	3000	11.3	1	75	62	30.08	1
6097	4397	011378	76	PONT	CATA	8	455	4	1	1	22	0525	0650	2	99	99	+08	+12	5500	15.3	1	73	63	30.10	1
6097	4416	012478	76	PONT	CATA	8	455	4	1	1	22	0520	0600	2	99	99	+12	+12	5500	15.3	1	70	62	30.19	2
6097	4421	012678	76	PONT	CATA	8	455	4	1	1	22	0610	0600	2	99	99	+12	+12	5500	15.3	1	74	64	30.10	3
6097	4429	020178	76	PONT	CATA	8	455	4	1	1	22	0600	0600	2	99	99	+12	+12	5500	15.3	1	74	66	30.01	4
6098	4361	122077	76	PONT	GRNP	8	350	4	1	2	25	0525	0650	2	99	99	+14	+16	4500	14.0	1	78	62	30.08	1
6099	4387	011178	76	PONT	GRNP	8	350	4	1	2	25	0600	0650	2	99	99	+15	+16	4500	14.0	1	77	66	30.05	1
6099	4399	011678	76	PONT	GRNP	8	350	4	1	2	25	0650	0650	2	99	99	+16	+16	4500	14.0	1	76	67	30.01	3
6100	4332	121377	76	PONT	FORM	8	400	4	1	1	26	0535	0650	2	99	99	+16	+16	5000	14.7	1	75	67	30.04	1

APPENDIX B - LISTING OF TEST VEHICLE USE AND MAINTENANCE DATA

Legend

VEH - Vehicle Number

YR - Model Year

MAKE - Vehicle Make

MODL - Vehicle Model

VIN - Vehicle Identification Number

ODOM - True Mileage

N - Purchased New or Used (1: New; 2: Used)

Y - Yearly Vehicle Miles Traveled (1: 0-5,000; 2: 5,001-10,000; 3: 10,000-15,000; 4: 15,001-20,000; 5: 20,001-30,000; 6: over 30,000)

MD - Altered Engine and/or Exhaust Components (1: Yes; 2: No; 3: don't know)

C - Major City Street Driving (1: all, 2: most; 3: some, 4: little/none)

S - Rural Road Driving (1: all; 2: most; 3: some; 4: little/none)

E - Rural Expressway Driving (1: all; 2: most; 3: some; 4: little/none)

W - Driving To and From Work (1: all; 2: most; 3: some; 4: little/none)

G - Shopping (1: all; 2: most; 3: some; 4: little/none)

B - Business Not To and From Work (1: all; 2: most; 3: some; 4: little/none)

V - Social, Vacation, etc. (1: all; 2: most; 3: some; 4: little/none)

TD - Number of Trips Made on a Typical Day (one Trip is Defined as STarting the Engine, Traveling Some Distance and Stopping the Engine)

W - Number of Wide Open Throttle Accelerations Used Per Week

U - Vehicle Operated 50% of the Time on Unpaved Roads, in Competitive Events, or in Hauling or Transporting Loads Heavier than for which it was Designed (1: Yes; 2: no; 3: don't know)

H - Hard Starting (1: Yes; 2: No)

ST - Stalling (1: Yes; 2: No)

R - Rough Idle (1: Yes; 2: No)

M - Engine Misfiring (1: Yes; 2: No)

A - Poor Acceleration (1: Yes; 2: No)

SB - Engine Performance Problem - Stumbling (1: Yes; 2: No)

DS - Engine Performance Problem - Dieseling (1: Yes; 2: No)

D - Has Vehicle ever had Major Damage to: a) cooling system; b) engine; c) fuel tank; d) exhaust system; e) no damage (1: Yes; 2: No; 3: don't know)

LO - Date of Last Oil Change (1: 0-6 mos; 2: 6-12 mos; 3: over 1 year; 4: don't know)

LT - Last Tune Up (1: 0-6 mos; 2: 6-12 mos; 3: over 1 year; 4: don't know)

MAR - Vehicle Maintained Manufacturer's Recommended Specifications (1: Yes; 2: No; 3: don't know)

NW - Number of Warranty Repairs

PB - Was Vehicle Returned for Performance Problems (1: No Warranty; 2: Never Returned; 3: Yes; 4: No)

UL - Unleaded Fuel Required (1: Yes; 2: No)

L - Number of Times Leaded Fuel Was Used (1: Not Required; 2: Never; 3: Seldom; 4: Occasionally; 5: Frequently; 6: Don't Know)

H2S - Has You or Others Noticed a Hydrogen Sulfide (rotten eggs) odor in this Vehicle's Exhaust? (1: Never; 2: Rarely; 3: Occasionally; 4: Regularly; 5: Don't Know)

APPENDIX B

LISTING OF TEST VEHICLE USE AND MAINTENANCE DATA

SAN FRANCISCO

MANUFACTURER: CHRYSLER

VEH	YR	MAKE	MODL	VIN	ODOM	N	Y	MO	C	S	E	W	G	B	V	TO	WT	U	H	ST	R	M	A	SB	DS	D	LO	LT	MAR	NW	PR	UL	L	H2S
6001	76	DODG	ASPE	NP29C6B364253	003901	1	2	2	1	4	4	4	1	4	4	02	1	2	2	2	2	2	1	2	2	222212	1	1	1	5	3	1	2	1
6002	76	DODG	ASPE	NP29C6B365817	007242	1	3	2	2	4	3	4	1	4	4	06	1	2	2	1	2	2	2	1	1	222212	3	1	1	4	4	1	2	1
6003	76	DODG	ASPE	NL45C6B281581	011360	1	3	2	3	4	3	4	4	1	4	02	1	2	1	2	1	2	2	2	2	222212	3	1	1	4	4	1	2	1
6004	76	DODG	ASPE	NH45G6B3546R4	010910	1	2	2	1	4	4	2	3	4	3	04	1	2	2	1	1	2	1	2	2	222212	4	3	1	4	3	1	2	1
6005	76	DODG	ASPE	NH45C6B454153	002308	1	2	2	4	4	4	4	1	4	4	02	1	2	2	2	2	2	2	2	2	222212	3	2	1	5	3	1	2	4
6006	76	DODG	ASPE	NL45G6R227994	007272	1	3	2	3	4	2	2	4	4	3	02	1	2	2	2	1	2	2	2	2	222212	3	1	1	5	3	1	2	1
6007	76	DODG	ASPE	NL45G6B431536	011553	1	3	2	3	4	4	3	4	4	2	04	1	2	2	1	2	2	2	2	2	222212	3	3	1	5	4	1	2	1
5008	75	PLYM	CORO	WL41G5A141990	020297	1	4	2	2	4	3	4	4	1	4	08	1	2	2	2	2	2	2	2	1	222212	3	3	1	5	3	1	2	1
6009	76	CHRY	NEWP	CM23N6C147506	013529	1	3	2	2	4	3	2	4	4	3	02	1	2	2	2	1	1	1	1	2	222212	3	3	1	5	3	1	2	3
6010	76	DODG	CHAR	XS22N6R109823	019990	1	4	2	3	4	4	1	4	4	4	06	1	2	2	2	2	2	1	2	2	222212	3	3	1	2	2	1	2	1
6011	76	DODG	CORO	WL41G6A241676	002442	1	1	2	3	4	3	3	4	4	2	02	1	2	2	2	2	2	2	2	2	222212	1	1	1	3	4	1	2	1
6012	76	DODG	CHAR	WH23J6G1199R6	015651	1	3	2	3	4	2	2	3	4	4	02	1	2	1	2	2	2	1	2	2	222212	3	1	1	5	4	1	2	1
6013	76	DODG	MONA	UP41T6D128803	023746	1	5	2	3	4	4	2	4	4	3	02	1	2	2	2	2	2	2	2	2	222212	3	3	1	4	4	1	2	1
6014	76	PLYM	VOLA	HL29C6B226239	007299	1	2	2	1	4	4	3	3	4	3	04	1	2	2	1	2	2	2	2	1	222212	3	3	1	5	3	1	2	2
6015	76	PLYM	VALI	VL41C6G221235	006276	1	3	2	3	4	2	1	4	4	4	04	1	2	1	1	2	2	1	1	2	222212	3	1	1	5	3	1	2	1
6016	76	PLYM	VOLA	HL45C6B2799R1	012093	1	3	2	1	4	4	4	3	4	3	02	1	2	2	1	2	2	2	2	2	222212	3	2	1	5	3	1	2	1
6017	76	PLYM	VOLA	HL45C6B289075	013319	1	3	2	4	4	4	4	3	4	3	08	1	2	2	2	2	2	2	2	2	222212	3	3	1	5	3	1	2	1
6018	76	PLYM	VOLA	HL29C6B444171	10158	1	4	2	3	4	3	4	4	4	1	06	1	2	2	2	2	2	1	2	1	222212	2	2	1	2	2	1	2	1
6019	76	PLYM	VALI	VL41C6F113029	016785	1	3	2	2	4	4	4	1	4	4	04	1	2	2	1	2	2	1	2	2	222212	3	2	1	4	2	1	2	4
6020	76	PLYM	VOLA	HH45G6B336967	021938	1	5	2	3	4	2	2	3	4	4	06	1	2	2	2	1	2	1	2	1	222212	3	3	1	5	2	1	2	3
6021	76	PLYM	VOLA	HP41G6F199420	005837	1	3	2	2	4	3	4	3	4	3	04	1	2	2	1	2	2	1	2	2	222212	3	1	1	3	4	1	2	1
6022	76	PLYM	VOLA	HL41C6F196028	014097	1	3	2	2	4	4	4	2	4	3	04	1	2	2	1	2	2	2	2	2	222212	3	3	1	5	3	1	2	1
6023	76	PLYM	FURY	RH23G6A149609	010339	1	2	2	1	4	4	4	3	4	3	02	1	2	1	1	2	2	2	2	2	222212	3	2	2	3	4	1	2	1
6024	76	PLYM	FURY	RH41G6A153919	015180	1	4	2	4	4	2	2	3	4	4	02	1	2	2	2	2	2	2	2	2	222212	3	1	1	4	4	1	2	1
6025	76	PLYM	FURY	RL23J6A212838	012120	1	3	2	4	4	4	4	4	4	1	02	3	2	1	2	2	2	2	2	2	222212	3	1	1	5	4	1	2	1
5026	75	PLYM	FURY	RH46N5A153262	017673	1	4	2	3	4	2	2	3	4	4	04	1	2	2	2	1	2	2	2	2	222212	3	3	1	5	3	1	2	3
6027	76	PLYM	VOLA	HH45C6B23R646	015962	1	3	2	2	4	4	3	2	4	4	06	1	2	2	1	1	2	2	2	1	222212	4	2	2	5	4	1	2	1
6028	76	PLYM	FURY	RH23J6A127500	023741	1	4	2	2	4	3	2	4	4	3	04	1	2	2	2	2	2	1	2	2	222212	3	2	2	5	4	1	2	1
6029	76	PLYM	VOLA	HL41G6F256873	013816	1	3	2	3	4	4	1	4	4	4	04	1	2	2	2	2	2	2	2	2	222212	3	2	2	5	3	1	2	1
6030	76	CHRY	CORO	SS22N6R246142	010454	1	2	2	1	4	4	4	4	4	1	02	1	2	2	2	2	2	1	2	2	222212	3	1	1	3	4	1	2	1
6031	76	CHRY	CORO	SS22J6R140510	009077	1	2	2	3	4	4	4	2	3	4	06	1	2	2	2	2	2	2	2	2	222212	3	1	1	4	3	1	2	3
6032	76	CHRY	NEWP	CL23N6C121950	016761	1	3	2	2	4	3	4	4	4	1	06	1	2	2	2	2	2	2	2	2	222212	3	1	1	5	3	1	2	1
6033	76	CHRY	NEWP	CL43N6C100333	022963	1	4	2	3	4	4	1	4	4	4	02	1	2	2	2	1	1	1	2	2	222212	3	2	2	5	4	1	2	1

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Appendix D

LISTING OF TEST VEHICLE USE AND MAINTENANCE DATA

SAN FRANCISCO

MANUFACTURER: FORD

VEH	YR	MAKE	MODEL	VIN	ODOM	N	Y	MO	C	S	E	W	G	B	V	TD	WT	U	M	ST	R	M	A	SB	DS	D	LO	LT	MAR	NW	PB	UL	L	H2S
6034	76	FORD	PINT	6K10Y105081	016581	1	3	2	2	4	4	2	3	4	4	04	1	2	2	2	2	2	2	2	2	222212	3	1	1	3	4	1	2	1
6035	76	FORD	MUST	6R05Z157492	019945	1	4	2	3	4	2	4	2	4	3	02	1	2	2	2	2	2	2	2	1	222212	3	3	1	2	2	1	2	1
6036	76	FORD	PINT	6K10Y140427	015129	1	2	2	2	4	3	4	4	4	1	02	1	2	2	2	1	2	2	2	2	222212	3	4	1	5	3	1	2	1
6037	76	FORD	MUST	6R02Y144452	007516	1	2	2	1	4	4	4	1	4	4	02	1	2	2	2	2	2	1	2	2	222212	4	4	1	3	4	1	2	1
6038	76	FORD	MUST	6R03Z150065	019658	1	3	2	2	4	4	1	4	4	4	04	1	2	2	2	2	2	2	2	1	222212	3	3	1	4	3	1	2	3
6039	76	FORD	MAVE	6R92L149431	005273	1	2	2	1	4	4	4	1	4	4	02	1	2	2	2	2	2	2	2	2	222212	3	1	1	3	4	1	2	3
6040	76	FORD	GRAN	6J81L297593	027507	1	5	2	3	4	4	3	4	2	4	10	1	2	1	2	2	2	2	2	2	222212	3	4	1	5	4	1	2	4
6041	76	FORD	MAVE	6R91L154711	018148	1	3	2	2	4	3	1	4	4	4	02	1	2	2	2	2	2	2	2	2	222212	3	3	1	3	4	1	2	3
6042	76	FORD	MAVE	6R92L117H205	017293	1	3	2	2	4	4	2	3	4	4	04	1	2	2	2	1	2	2	2	2	222212	3	3	1	3	4	1	2	1
6043	76	FORD	MAVE	6R91L154269	008218	1	2	2	1	4	4	2	3	4	4	06	1	2	2	2	2	1	1	2	2	222212	3	3	1	4	3	1	2	1
6044	76	FORD	GRAN	6W83F307426	004072	1	1	2	1	4	4	4	2	4	3	02	1	2	1	1	2	2	2	2	2	222212	3	1	1	3	2	1	2	1
6045	76	FORD	GRAN	6W82F214289	011499	1	2	2	1	4	4	1	4	4	4	04	1	2	1	2	2	2	1	2	2	222212	3	1	1	4	4	1	2	1
6046	76	FORD	GRAN	6W84M31F862	015336	1	3	2	2	4	4	4	1	4	4	02	1	2	2	2	1	2	1	2	2	222212	4	1	1	4	4	1	2	1
6047	76	FORD	TORI	6G30H175540	024920	1	5	2	3	4	3	3	3	4	3	08	1	2	2	2	2	2	2	2	2	222212	3	3	1	2	2	1	2	1
6048	76	FORD	ELIT	6G21M226078	022193	1	4	2	3	4	3	3	3	4	3	04	1	2	2	2	2	2	2	2	2	222212	4	2	1	2	2	1	2	1
6049	76	FORD	TORI	6M30M112511	015968	1	3	2	2	4	3	2	3	4	4	04	1	2	2	2	2	2	2	2	2	222212	3	1	1	5	3	1	2	1
6050	76	FORD	TORI	6A43M133634	021667	1	3	2	2	4	3	4	2	4	3	04	1	2	2	1	2	2	2	2	2	222212	3	4	1	2	2	1	2	3
6051	76	FORD	TORI	6A42M142116	017689	1	3	2	2	4	3	4	2	4	3	02	1	2	2	2	2	2	2	2	2	222212	3	3	1	3	4	1	2	1
6052	76	FORD	TORI	6A42M124958	023816	1	4	2	3	4	2	2	4	4	3	04	1	2	2	2	2	2	2	2	2	222212	3	3	1	5	4	1	2	1
6053	76	FORD	LTD	6J64M136410	014849	1	3	2	3	4	2	3	4	4	2	02	1	2	2	1	2	2	1	2	2	222212	3	1	1	5	4	1	2	1
6054	76	FORD	LTD	6J62M143195	023320	1	4	2	3	4	3	4	2	4	3	06	1	2	2	2	2	2	2	2	2	222212	3	3	1	4	4	1	2	1
6055	76	FORD	LTD	6J65S160015	006728	1	1	2	1	4	4	3	3	4	3	02	1	2	2	2	2	2	2	2	2	222212	3	1	1	3	4	1	2	1
6056	76	FORD	MAVE	6R91L139518	016178	1	3	2	2	4	3	3	2	4	3	06	1	2	2	2	2	1	2	1	2	222212	3	2	1	5	4	1	2	4
6057	76	FORD	GRAN	6W81L315085	002643	1	1	2	4	4	4	4	1	4	4	02	1	2	2	2	2	2	2	2	2	222212	2	1	1	5	4	1	2	2
6058	76	MERC	MONA	6W35F536868	013179	1	2	2	2	4	3	4	4	4	1	02	1	2	2	1	2	2	2	2	2	222212	3	1	1	4	4	1	2	4
6059	76	MERC	MONA	6W34F581833	013952	1	3	2	3	4	2	1	4	4	4	06	1	2	2	2	2	2	2	2	2	222212	3	1	1	2	2	1	2	1
6060	76	MERC	MONA	6W36F579491	021614	1	4	2	2	4	3	2	4	2	3	15	1	2	2	2	2	2	2	2	2	222212	3	3	1	3	4	1	2	1
6061	76	MERC	MONG	6H07M522626	013462	1	3	2	2	4	3	1	4	4	4	02	1	2	2	1	2	2	2	2	2	222212	3	2	1	4	3	1	2	1
6062	76	MERC	MONG	6H08M533232	012175	1	3	2	1	4	4	3	2	4	3	04	1	2	2	2	2	2	2	2	2	222212	3	3	1	5	3	1	2	1
6063	76	MERC	COUG	6A93S561365	010701	1	3	2	3	4	2	4	3	4	2	02	1	2	2	1	2	2	2	2	2	222212	4	1	1	2	2	1	2	1
6064	76	MERC	MARQ	6Z63S564644	016827	1	3	2	3	4	4	4	3	4	1	02	2	2	1	2	2	2	2	1	2	222212	3	3	1	3	4	1	2	1
6065	76	LINC	MARK	6Y89A819590	007170	1	2	2	4	4	2	4	4	4	1	02	1	2	1	1	2	2	1	2	1	222212	3	1	1	2	4	1	2	3
6066	76	LINC	CONT	6Y82A845894	012068	1	2	2	1	4	4	4	3	4	3	02	1	2	2	1	2	2	2	2	2	222212	3	2	1	2	2	1	2	1

APPENDIX B

LISTING OF TEST VEHICLE USE AND MAINTENANCE DATA

SAN FRANCISCO

MANUFACTURERS: GEN MTRS

VEH	YR	MAKE	MODEL	VIN	ODOM	N	Y	MO	C	S	E	W	G	B	V	TD	WT	U	H	ST	R	M	A	SB	DS	D	LO	LT	MAR	NW	PB	UL	L	M2S
6067	76	BUIC	SKYL	4H27C6L114118	012617	1	2	2	3	4	2	4	4	4	1	02	1	2	2	2	2	2	2	2	2	222212	3	2	1	4	4	1	2	1
6068	76	BUIC	REGA	4J57C6Z112995	011284	1	2	2	3	4	3	4	2	4	3	02	1	2	2	2	2	2	2	2	2	222212	3	1	1	2	2	1	2	1
6069	76	BUIC	CNTY	4K45J6Z115983	015926	1	3	2	3	4	3	4	2	4	3	04	1	2	2	2	2	2	2	2	2	222212	3	1	1	5	4	1	2	1
6070	76	BUIC	LESA	4P69J6X1616186	012890	1	2	2	3	4	3	4	2	4	3	06	1	2	2	1	2	2	2	2	2	222212	3	1	1	3	4	1	2	1
6071	76	BUIC	ESTA	4K45Y6X1602700	026032	1	4	2	3	4	3	3	3	4	3	04	1	2	2	2	2	2	2	2	2	222212	3	4	1	3	4	1	2	1
6072	76	CADI	DEVI	6D47S6U200696	021270	1	4	2	3	4	3	2	3	4	3	02	2	2	2	2	2	2	2	2	2	222212	3	1	1	3	4	1	2	1
6073	76	CADI	DEVI	6D47S6U321486	018178	1	4	2	3	4	3	4	4	4	1	02	1	2	2	2	2	2	2	2	2	222212	3	1	1	3	4	1	2	1
6074	76	CHEV	CHET	1R08J6Y244519	019049	1	3	2	3	4	3	4	3	4	2	04	1	2	2	2	2	2	2	2	2	222212	3	3	1	2	2	1	2	1
6075	76	CHEV	IMPA	1L47U6J101980	011959	1	2	2	3	4	2	2	3	4	3	02	1	2	2	2	2	2	2	2	2	222212	3	1	1	3	4	1	2	1
6076	76	CHEV	MONZ	1M27U6C133218	026670	1	4	2	3	4	2	3	3	4	3	06	1	2	2	2	2	2	1	2	2	222212	4	3	1	3	3	1	2	3
6077	76	CHEV	NOVA	1A17U6L153331	020641	1	3	2	2	4	3	4	3	2	3	06	1	2	2	2	2	2	2	2	2	222212	3	3	1	4	4	1	2	1
6078	76	CHEV	CAPR	1N39U6J329927	012965	1	3	2	2	4	3	4	2	4	3	02	1	2	2	2	2	2	2	2	2	222212	4	3	1	3	4	1	2	1
6079	76	CHEV	NOVA	1X27U6L140085	019104	1	3	2	1	4	4	1	4	4	4	02	1	2	2	2	2	2	2	2	2	222212	3	2	1	4	4	1	2	3
6080	76	CHEV	IMPA	1L45U6J27P475	013258	1	2	2	3	4	2	2	3	4	3	04	1	2	2	2	2	2	2	2	2	222212	3	2	1	2	2	1	2	1
6081	76	CHEV	MONT	1M57U6Z443070	015344	1	3	2	2	4	3	2	3	4	3	04	1	2	2	2	2	2	2	2	2	222212	6	1	1	4	4	1	2	1
6082	76	CHEV	MONT	1M57L6Z431394	010686	1	2	2	2	4	3	2	3	4	3	04	1	2	2	2	2	2	2	2	2	222212	3	1	1	3	4	1	2	1
6083	76	CHEV	MONT	1M57L6Z477982	006191	1	2	2	2	4	4	2	3	4	4	02	1	2	2	2	2	2	2	2	2	222212	3	1	1	4	4	1	2	1
6084	76	CHEV	MONT	1M57L6Z433024	007045	1	2	2	2	4	3	3	3	4	3	04	1	2	2	2	2	2	2	2	2	222212	3	1	1	4	4	1	2	1
6085	76	CHEV	MONT	1M57U6Z482726	009056	1	2	2	1	4	4	4	2	4	3	06	1	2	2	2	2	2	2	2	2	222212	3	1	1	3	4	1	2	3
6086	76	CHEV	CAPR	1N69L6J264456	019533	1	3	2	3	4	3	4	2	4	3	02	1	2	1	2	2	2	2	2	1	222212	3	6	1	5	3	1	2	1
6087	76	CHEV	IMPA	1L39L6J363240	024544	1	4	2	3	4	3	4	3	3	3	06	1	2	2	2	2	2	2	2	2	222212	3	2	1	2	2	1	2	1
6088	76	CHEV	IMPA	1L39L6J325279	008835	1	2	2	2	4	3	4	2	4	3	02	1	2	2	2	2	2	2	2	2	222212	4	1	1	4	4	1	2	1
6089	76	CHEV	IMPA	1L45U6J287526	015871	1	3	2	1	4	4	2	4	3	4	06	1	2	2	2	2	2	2	2	2	222212	3	3	1	2	2	1	2	1
6090	76	OLDS	CUTL	3J57R6R184586	022889	1	4	2	2	4	3	2	4	3	4	06	1	2	2	2	2	2	2	2	2	222212	3	3	1	2	2	1	2	1
6091	76	OLDS	CUTL	3J57R6R176875	022392	1	3	2	3	4	3	2	3	4	3	04	1	2	2	2	2	2	2	2	2	222212	3	3	1	3	4	1	2	1
6092	76	OLDS	CUTL	3M57R6R140304	019646	1	3	2	2	4	4	2	3	4	3	04	1	2	2	2	2	2	2	2	2	222212	3	3	1	3	4	1	2	1
6093	76	OLDS	DELT	3L39R6X195936	016140	1	3	2	2	4	3	4	2	4	3	04	1	2	2	2	2	2	2	2	2	222212	3	1	1	4	3	1	2	1
6094	76	OLDS	DELT	3N57T6X177361	002704	1	1	2	1	4	3	4	2	4	3	02	1	2	2	2	2	2	2	2	2	222212	3	2	1	4	4	1	2	1
6095	76	OLDS	CUTL	3J57R6R156305	021249	1	3	2	2	4	3	3	3	4	3	04	1	2	2	2	2	2	2	2	2	222212	3	2	1	3	4	1	2	1
6096	76	PONT	ASTR	2C77R6U547290	013736	1	3	2	2	4	3	2	3	4	3	04	1	2	2	2	2	2	2	2	2	222212	3	1	1	2	2	1	2	1
6097	76	PONT	CATA	2L45W6X137231	012638	1	2	2	2	4	3	2	3	4	3	04	1	2	2	1	2	2	1	2	2	222212	3	3	1	5	3	1	2	4
6098	76	PONT	GRND	2J57R6R242395	018453	1	3	2	3	4	2	2	4	4	3	04	1	2	2	2	2	2	2	2	2	222212	3	3	1	3	4	1	2	1
6099	76	PONT	GRND	2J57R6R321308	014784	1	3	2	3	4	2	2	3	4	3	02	1	2	2	2	2	2	2	2	2	222212	3	1	1	3	4	1	2	1
6100	76	PONT	MONN	2M47Z6R345400	025402	1	5	2	2	4	3	4	2	4	3	08	1	2	2	2	2	2	2	2	2	222212	3	4	1	3	4	1	2	1

APPENDIX C - MALADJUSTMENT & DISABLEMENT INSPECTION RESULTS

APPENDIX C

MALADJUSTMENT AND DISABLEMENT
INSPECTION RESULTS

SAN FRANCISCO

MANUFACTURER: CHRYSLER

VEH NO.	INDUCTION SYSTEM INSP ACT	CARBURETOR + FUEL SYS INSP ACT	IGNITION SYSTEM INSP ACT	EGR SYSTEM INSP ACT	AIR PUMP SYSTEM INSP ACT	PCV SYSTEM INSP ACT	EXHAUST SYSTEM INSP ACT	EVAP CONTR SYSTEM INSP ACT	OTHER EMISS RELATED COMP INSP ACT	MAN HRS. FOR INSP	MAN HRS. FOR ACT.
6001	PASS N A	FAIL N A	PASS N A	FAIL ADJ	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	.8	.1
6002	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	1.0	0.0
6003	PASS N A	FAIL N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	.5	0.0
6004	PASS N A	FAIL N A	PASS N A	FAIL RPL	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	1.0	.4
6005	PASS N A	FAIL N A	FAIL ADJ	FAIL RPR	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	.5	.2
6006	PASS N A	FAIL N A	FAIL ADJ	FAIL ADJ	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	.5	.4
6007	PASS N A	FAIL N A	PASS N A	FAIL RPR	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	.7	.2
5008	PASS N A	PASS N A	FAIL ADJ	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	1.0	.2
6009	PASS N A	PASS N A	PASS N A	FAIL ADJ	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	1.0	.2
6010	PASS N A	FAIL N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	.5	0.0
6011	PASS N A	PASS N A	PASS N A	FAIL RPR	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	1.0	.2
6012	PASS N A	FAIL N A	PASS N A	FAIL RPL	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	.5	.2
6013	PASS N A	FAIL N A	PASS N A	FAIL RPL	PASS N A	PASS N A	PASS N A	PASS N A	FAIL RPL	1.0	.2
6014	PASS N A	PASS N A	PASS N A	FAIL RPR	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	1.5	.1
6015	PASS N A	FAIL N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	1.0	0.0
6016	PASS N A	FAIL N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	.5	0.0
6017	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	.5	0.0
6018	PASS N A	FAIL N A	PASS N A	FAIL ADJ	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	.5	.2
6019	PASS N A	FAIL N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	1.0	0.0
6020	PASS N A	FAIL ADJ	PASS N A	FAIL RPL	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	.8	.4
6021	PASS N A	FAIL N A	FAIL ADJ	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	1.0	.1
6022	PASS N A	FAIL N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	.5	0.0
6023	PASS N A	PASS N A	FAIL ADJ	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	1.0	.2
6024	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	.5	0.0
6025	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	.5	0.0
6026	FAIL ADJ	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	1.0	0.0
6027	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	1.0	0.0
6028	FAIL ADJ	PASS N A	FAIL ADJ	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	1.0	.4
6029	PASS N A	FAIL RPL	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	1.0	.5
6030	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	1.0	0.0
6031	PASS N A	FAIL N A	FAIL ADJ	FAIL RPL	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	1.0	.8
6032	PASS N A	PASS N A	PASS N A	FAIL ADJ	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	1.0	.2
6033	PASS N A	FAIL N A	PASS N A	FAIL RPL	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	.5	.4

INSPECTION COLUMN: PASS, FAIL, N/A=NOT APPLICABLE
ACTION COLUMN: N A=NO ACTION, ADJ=ADJUSTMENT, RPR=REPAIR, REP=REPLACE

APPENDIX C

MALADJUSTMENT AND DISABLEMENT
INSPECTION RESULTS

SAN FRANCISCO

MANUFACTURER: FORD

VEH NO.	INDUCTION SYSTEM INSP ACT	CARBURETOR + FUEL SYS INSP ACT	IGNITION SYSTEM INSP ACT	EGR SYSTEM INSP ACT	AIR PUMP SYSTEM INSP ACT	PCV SYSTEM INSP ACT	EXHAUST SYSTEM INSP ACT	EVAP CONTR SYSTEM INSP ACT	OTHER EMISS RELATED COMP INSP ACT	MAN HRS. FOR INSP	MAN HRS. FOR ACT.
6034	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	.5	0.0
6035	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	1.0	0.0
6036	PASS N A	FAIL ADJ	FAIL ADJ	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	FAIL RPL	1.0	.5
6037	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	.5	0.0
6038	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	1.0	0.0
6039	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	.5	0.0
6040	PASS N A	FAIL N A	FAIL ADJ	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	1.0	.2
6041	PASS N A	FAIL ADJ	FAIL ADJ	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	1.5	.4
6042	PASS N A	FAIL N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	1.0	0.0
6043	PASS N A	FAIL ADJ	FAIL ADJ	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	.5	.4
6044	PASS N A	PASS N A	FAIL ADJ	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	.5	.1
6045	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	.5	0.0
6046	PASS N A	FAIL N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	1.5	0.0
6047	PASS N A	PASS N A	FAIL ADJ	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	1.0	.3
6048	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	.5	0.0
6049	PASS N A	FAIL ADJ	FAIL ADJ	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	.5	.4
6050	PASS N A	PASS N A	FAIL ADJ	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	1.0	.2
6051	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	1.0	0.0
6052	PASS N A	FAIL N A	FAIL ADJ	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	.7	.2
6053	PASS N A	PASS N A	FAIL ADJ	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	1.0	.3
6054	PASS N A	FAIL N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	1.0	0.0
6055	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	.7	0.0
6056	PASS N A	FAIL N A	FAIL ADJ	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	1.0	.2
6057	PASS N A	PASS N A	FAIL ADJ	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	.8	.2
6058	PASS N A	FAIL N A	FAIL ADJ	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	.7	.2
6059	PASS N A	FAIL N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	1.0	0.0
6060	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	1.0	0.0
6061	PASS N A	PASS N A	FAIL ADJ	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	1.0	.3
6062	PASS N A	FAIL N A	FAIL ADJ	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	1.0	.3
6063	PASS N A	PASS N A	FAIL ADJ	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	1.3	.2
6064	PASS N A	FAIL N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	1.0	0.0
6065	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	.5	0.0
6066	PASS N A	FAIL ADJ	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	.7	.1

INSPECTION COLUMN: PASS, FAIL, N/A=NOT APPLICABLE
ACTION COLUMN: N A=NO ACTION, ADJ=ADJUSTMENT, RPR=REPAIR, REP=REPLACE

APPENDIX C

MALADJUSTMENT AND DISABLEMENT
INSPECTION RESULTS

SAN FRANCISCO

MANUFACTURER: GEN MTRS

VEH NO.	INDUCTION SYSTEM INSP ACT	CARBURETOR • FUEL SYS INSP ACT	IGNITION SYSTEM INSP ACT	EGR SYSTEM INSP ACT	AIR PUMP SYSTEM INSP ACT	PCV SYSTEM INSP ACT	EXHAUST SYSTEM INSP ACT	EVAP CONTR SYSTEM INSP ACT	OTHER EMISS RELATED COMP INSP ACT	MAN HRS. FOR INSP	MAN HRS. FOR ACT.
6067	PASS N A	FAIL N A	FAIL ADJ	FAIL RPR	N/A N A	PASS N A	PASS N A	PASS N A	PASS N A	1.5	.3
6068	PASS N A	FAIL ADJ	PASS N A	FAIL ADJ	N/A N A	PASS N A	PASS N A	PASS N A	PASS N A	.5	.3
6069	PASS N A	PASS N A	PASS N A	PASS N A	N/A N A	PASS N A	PASS N A	PASS N A	PASS N A	.5	0.0
6070	PASS N A	PASS N A	PASS N A	PASS N A	N/A N A	PASS N A	PASS N A	PASS N A	PASS N A	.5	0.0
6071	PASS N A	FAIL N A	FAIL ADJ	PASS N A	N/A N A	PASS N A	PASS N A	PASS N A	PASS N A	.5	.3
6072	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	1.0	0.0
6073	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	.8	0.0
6074	PASS N A	FAIL N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	.5	0.0
6075	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	.5	0.0
6076	PASS N A	FAIL N A	FAIL ADJ	PASS N A	N/A N A	PASS N A	PASS N A	PASS N A	PASS N A	.5	.2
6077	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	1.0	0.0
6078	PASS N A	PASS N A	FAIL ADJ	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	.8	.3
6079	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	.5	0.0
6080	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	.5	0.0
6081	PASS N A	PASS N A	FAIL ADJ	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	FAIL ADJ	.5	.3
6082	FAIL ADJ	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	1.0	0.0
6083	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	.5	0.0
6084	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	.5	0.0
6085	FAIL ADJ	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	.5	.1
6086	FAIL ADJ	FAIL ADJ	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	.5	.3
6087	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	.7	0.0
6088	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	.5	0.0
6089	PASS N A	FAIL ADJ	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	.5	.2
6090	PASS N A	PASS N A	PASS N A	PASS N A	N/A N A	PASS N A	PASS N A	PASS N A	PASS N A	.5	0.0
6091	PASS N A	PASS N A	PASS N A	PASS N A	N/A N A	PASS N A	PASS N A	PASS N A	PASS N A	.5	0.0
6092	PASS N A	FAIL N A	PASS N A	PASS N A	N/A N A	PASS N A	PASS N A	PASS N A	PASS N A	.5	0.0
6093	PASS N A	FAIL ADJ	PASS N A	PASS N A	N/A N A	PASS N A	PASS N A	PASS N A	PASS N A	.5	.4
6094	PASS N A	PASS N A	PASS N A	PASS N A	N/A N A	PASS N A	PASS N A	PASS N A	PASS N A	.5	0.0
6095	PASS N A	PASS N A	PASS N A	PASS N A	N/A N A	PASS N A	PASS N A	PASS N A	PASS N A	.5	0.0
6096	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	1.0	0.0
6097	PASS N A	FAIL ADJ	FAIL ADJ	PASS N A	N/A N A	PASS N A	PASS N A	PASS N A	PASS N A	.5	.4
6098	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	.5	0.0
6099	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	.8	0.0
6100	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	PASS N A	1.0	0.0

INSPECTION COLUMN: PASS, FAIL, N/A=NOT APPLICABLE
ACTION COLUMN: N A=NO ACTION, ADJ=ADJUSTMENT, RPR=REPAIR, REP=REPLACE

APPENDIX D - EMISSION COMPONENT FUNCTION CHECK

APPENDIX D - RESTORATIVE MAINTENANCE EVALUATION
EMISSION COMPONENT FUNCTION CHECK

CHRYSLER CORPORATION

1. P.C.V. System
2. Evaporative Control System
3. Heated air inlet diaphragm
4. Heated air inlet door
5. Electrically assisted choke switch
6. Electrically assisted Choke heater
7. C.C.I.E. switch
8. C.C.E.G.R. Switch
9. Idle Enrichment Delay Solenoid
10. Idle Enrichment Diaphraghm
11. O.S.A.C. valve
12. E.G.R. valve
13. E.G.R. Time Delay Solenoid
14. Vacuum Control Amplifier
15. T.I.C. Valve
16. Air pump
17. Throttle Stop Solenoid
18. Catalyst Protect System Speed Switch
19. Dashpot
20. Choke kickdown diaphragm
21. Spark plug & cables, cap & rotor
22. Vacuum advance unit
23. Other
24. Other

APPENDIX D

EMISSION COMPONENT FUNCTION CHECK

SAN FRANCISCO

MANUFACTURER: CHEVROLET

VEH NO.	1 IA	2 IA	3 IA	4 IA	5 IA	6 IA	7 IA	8 IA	9 IA	10 IA	11 IA	12 IA	13 IA	14 IA	15 IA	16 IA	17 IA	18 IA	19 IA	20 IA	21 IA	22 IA	23 IA	24 IA	MAN HRS INSP.	MAN HRS ACT.
6001	10	10	10	10	10	10	30	10	30	30	20	10	20	10	30	10	30	30	30	10	10	10	30	30	1.0	0.0
6002	10	10	10	10	10	10	30	10	30	30	30	10	10	10	30	10	30	30	30	10	10	10	30	30	1.0	0.0
6003	10	10	10	10	10	10	30	10	30	30	10	10	10	10	30	10	30	30	30	21	10	10	30	30	1.0	.3
6004	10	10	10	10	10	10	10	10	10	10	10	10	10	10	30	10	30	30	30	21	10	10	30	20	1.0	.3
6005	10	10	10	10	10	10	30	10	30	30	20	10	20	10	30	10	30	30	30	10	10	10	30	30	.7	0.0
6006	10	10	10	10	10	10	10	10	10	10	20	10	10	10	30	10	30	30	30	10	10	10	20	20	1.5	0.0
6007	10	10	10	10	10	10	10	10	10	10	20	10	10	10	30	10	30	30	30	20	10	10	30	30	1.5	0.0
6008	10	10	10	10	10	10	10	10	10	10	20	10	10	10	30	10	30	10	30	10	20	10	30	30	1.5	0.0
6009	10	10	10	10	10	10	10	10	10	10	23	10	10	10	10	10	30	30	30	21	10	10	30	30	1.0	.4
6010	10	10	10	10	10	10	10	10	10	10	23	10	10	10	10	10	30	30	30	21	10	10	30	30	1.0	.4
6011	10	10	10	10	10	10	10	10	10	10	20	10	10	10	30	10	30	30	30	21	10	10	30	30	1.5	1.0
6012	10	10	10	10	10	10	10	10	30	10	30	10	30	10	10	10	30	30	30	21	10	10	30	30	1.0	.5
6013	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	30	30	30	10	23	10	30	30	1.0	.5
6014	10	10	10	10	10	10	30	10	30	30	10	10	10	10	30	10	30	30	30	10	10	10	30	30	1.0	0.0
6015	10	10	10	10	10	10	30	10	30	30	20	10	10	10	30	10	30	30	30	10	10	10	30	30	1.0	0.0
6016	10	10	10	10	10	20	30	10	30	30	20	10	10	10	30	10	30	30	30	10	10	10	30	30	1.0	0.0
6017	10	10	10	10	10	10	30	10	30	30	10	10	10	10	30	10	30	30	30	10	10	10	30	30	.5	0.0
6018	10	10	10	10	10	10	30	10	30	30	20	10	20	10	30	10	30	30	30	10	10	10	30	30	.8	0.0
6019	10	10	10	10	10	10	30	10	30	30	20	10	20	10	30	10	30	30	30	10	10	10	30	30	.8	0.0
6020	10	10	10	10	10	10	10	10	10	10	10	10	10	10	30	10	30	30	30	21	10	10	30	30	1.0	.3
6021	10	10	10	10	10	10	10	10	10	10	20	10	10	10	30	10	30	30	30	10	10	10	30	30	1.0	0.0
6022	10	10	10	10	10	10	30	10	30	30	20	10	10	10	30	10	30	30	30	10	10	10	30	30	1.0	0.0
6023	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	30	30	30	10	10	10	30	30	1.5	0.0
6024	10	10	10	10	10	10	10	10	10	20	20	10	20	10	10	10	30	30	30	10	20	10	30	23	1.0	.3
6025	10	10	10	10	10	10	10	10	30	10	30	10	30	10	30	10	30	30	30	10	10	10	30	30	1.0	0.0
6026	10	10	10	10	23	10	10	10	10	10	23	10	10	10	10	10	30	30	30	10	10	10	30	30	1.5	.5
6027	10	10	10	10	10	10	30	10	30	30	10	10	10	10	10	10	30	30	30	21	10	10	30	30	1.5	.6
6028	10	10	10	10	10	10	10	10	30	10	30	10	30	10	10	10	30	30	30	21	10	10	30	30	1.5	.5
6029	10	10	10	10	10	10	10	10	10	10	10	10	10	10	30	10	30	30	30	10	10	10	30	30	1.0	0.0
6030	10	10	10	10	10	10	10	10	10	10	20	10	10	10	10	10	30	30	30	10	10	10	30	30	1.5	0.0
6031	10	10	10	10	10	10	10	10	30	10	30	10	30	10	10	10	30	30	30	10	20	10	30	30	1.0	0.0
6032	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	30	30	30	21	10	10	30	30	1.5	.2
6033	10	10	10	10	10	10	10	10	10	10	23	10	10	10	10	10	30	30	30	21	23	10	30	30	1.0	.5

I=INSPECTION COLUMN: 1=PASS, 2=FAIL, 3=NOT APPLICABLE
A=ACTION COLUMN: 0=NO ACTION, 1=ADJUST, 2=REPAIR, 3=REPLACE

APPENDIX D - RESTORATIVE MAINTENANCE EVALUATION
EMISSION CONTROL FUNCTION CHECK

FORD MOTOR COMPANY

1. Exhaust Heat Control Valve
2. P.C.V. System
3. E.G.R. Valve
4. E.G.R. P.V.S.
5. High Speed Modulator
6. Venturi Vacuum Amplifier
7. Vacuum Reservoir
   Vacuum Reservoir Check Valve
8. Thermactor Air Pump
9. By-pass valve
10. Thermactor Check-valves
11. Vacuum Diff. Control
12. Electric P.V.S.
13. Solenoid Vacuum Valve
14. Floor Pan Thermal Switch
15. Fuel Deceleration Valve Diaphragm
16. Fuel Deceleration Valve Time rate
17. Fuel Decel Transmission interlock
18. P.V.S. Fuel Decel Interlock
19. Speed Modulated Decel
20. Spark Delay Valves
21. Spark Control System Distributor P.V.S.
22. Cold Start P.V.S.
23. Vacuum check valve
24. Spark retard delay valve
25. Distributor diaphragm
26. Throttle positioning solenoid
27. Electric choke
28. Choke pull-off diaphragm
29. Air cleaner vacuum motor
30. Air cleaner temperature control, duct valve
31. Cold weather modulator
32. Cold temp. actuated vacuum system
33. Air cleaner delay valve
34. Spark plugs & wires
35. Exhaust Backpressure Transducer
36. Other

APPENDIX D

EMISSION COMPONENT FUNCTION CHECK

SAN FRANCISCO

MANUFACTURER: FORD

VEH NO.	1 1A	2 1A	3 1A	4 1A	5 1A	6 1A	7 1A	8 1A	9 1A	10 1A	11 1A	12 1A	13 1A	14 1A	15 1A	16 1A	17 1A	18 1A	19 1A	20 1A	21 1A	22 1A	23 1A	24 1A	25 1A	26 1A	27 1A	28 1A	29 1A	30 1A	31 1A	32 1A	33 1A	34 1A	35 1A	36 1A	MAN INSP.	MHS ACT.
A034	30	10	10	30	30	30	30	10	20	10	30	30	10	30	10	10	30	30	30	10	30	30	30	30	10	10	10	30	10	10	30	30	30	10	30	20	1.0	0.0
A035	30	10	10	10	30	30	30	10	10	10	10	30	30	30	30	30	30	30	30	10	10	10	30	30	10	10	10	10	10	30	30	30	30	10	30	30	1.0	0.0
A036	30	10	10	30	30	30	30	10	10	10	30	30	10	30	30	30	30	30	30	10	30	30	30	30	10	10	30	30	10	10	30	10	30	10	30	30	1.0	0.0
A037	30	10	10	30	30	30	30	10	10	10	30	30	10	30	30	30	30	30	30	10	30	30	30	30	10	10	30	30	10	10	30	30	30	10	30	30	.7	0.0
A038	30	10	10	10	30	30	30	10	20	10	10	30	30	30	30	30	30	30	30	10	10	10	30	30	10	10	10	30	10	10	10	30	30	10	30	30	1.0	0.0
A039	30	10	23	30	30	30	10	10	10	10	30	30	30	30	30	30	30	30	30	30	10	30	30	30	10	10	10	30	10	10	10	30	30	10	30	30	1.0	.3
A040	30	10	10	30	30	30	10	10	10	10	10	10	30	30	30	30	30	30	30	30	30	10	30	30	30	10	30	10	30	10	10	10	30	30	10	10	30	1.0	0.0
A041	30	10	10	30	30	30	10	10	10	10	30	30	30	30	30	30	30	30	30	30	30	30	30	30	10	10	10	30	10	10	30	30	30	10	30	30	1.0	0.0
A042	30	10	10	30	30	30	10	10	10	10	30	30	30	30	30	30	30	30	30	10	30	30	30	30	10	10	10	30	10	10	10	30	30	10	30	30	1.0	0.0
A043	30	10	10	30	30	30	10	10	10	10	30	30	30	30	30	30	30	30	30	30	30	30	30	30	10	10	10	30	10	10	10	30	30	10	30	30	.5	0.0
A044	30	10	10	10	30	30	10	10	10	10	30	30	30	30	30	30	30	30	30	30	10	10	10	30	30	10	10	10	20	10	30	30	30	10	10	30	1.0	0.0
A045	30	10	10	10	30	30	10	10	10	10	30	30	30	30	30	30	30	30	30	10	10	10	10	10	10	10	10	10	10	10	10	10	30	10	10	30	1.0	0.0
A046	30	10	10	10	30	30	30	10	20	10	30	30	30	30	30	30	30	30	30	10	30	30	30	30	10	30	10	10	10	10	10	30	30	10	10	30	2.0	0.0
A047	30	10	10	10	30	30	10	10	10	10	30	30	30	30	30	30	30	30	30	30	10	10	10	10	10	30	10	10	10	30	30	10	10	30	10	30	1.0	0.0
A048	30	10	10	30	30	30	10	10	10	10	30	30	30	30	30	30	30	30	30	30	10	10	30	30	10	10	10	10	30	10	10	10	30	30	10	30	1.0	0.0
A049	30	10	10	30	30	30	10	10	10	10	30	30	30	30	30	30	30	30	30	10	10	30	30	30	10	10	10	10	10	10	10	30	30	10	10	30	1.0	0.0
A050	30	10	10	30	30	30	30	10	10	10	30	30	30	30	30	30	30	30	30	10	10	30	30	30	10	10	10	10	10	10	10	30	30	10	10	30	1.0	0.0
A051	30	10	10	30	30	30	10	10	10	10	30	30	30	30	30	30	30	30	30	10	10	30	30	30	10	10	10	10	10	10	10	30	30	10	10	30	1.0	0.0
A052	30	10	10	30	30	30	10	10	10	10	30	30	30	30	30	30	30	30	30	10	10	30	30	30	10	10	10	10	10	10	10	30	30	10	10	30	1.0	0.0
A053	30	10	10	30	30	30	10	10	10	10	30	30	30	30	30	30	30	30	30	10	10	30	30	30	10	10	10	10	10	10	10	30	30	10	10	30	.7	0.0
A054	30	10	10	30	30	30	30	10	10	10	30	30	30	30	30	30	30	30	30	20	10	30	30	30	10	10	10	10	10	10	10	30	30	10	10	30	.7	0.0
A055	30	10	10	30	30	30	10	10	10	10	30	30	30	30	30	30	30	30	30	10	10	30	30	30	10	10	10	30	10	10	10	30	30	10	10	30	.7	0.0
A056	30	10	10	30	30	30	10	10	10	10	30	30	30	30	30	30	30	30	30	30	30	30	30	30	10	10	10	30	10	10	10	30	30	10	30	30	.5	0.0
A057	30	10	10	30	30	30	10	10	10	10	30	30	30	30	30	30	30	30	30	10	30	30	30	30	10	10	10	30	10	10	10	30	30	10	30	30	.5	0.0
A058	30	10	10	30	30	30	10	10	10	10	30	30	30	30	30	30	30	30	30	10	10	30	30	30	10	10	10	23	10	10	10	30	30	10	10	23	1.0	.4
A059	10	10	10	10	30	30	10	10	10	10	30	30	30	30	30	30	30	30	30	10	10	30	30	10	10	10	10	30	10	10	10	30	30	10	10	30	2.0	0.0
A060	10	10	10	10	30	30	10	10	10	10	30	30	30	30	30	30	30	30	30	10	10	10	30	30	10	30	10	30	10	10	10	30	30	10	10	30	2.3	0.0
A061	30	10	10	30	30	30	10	10	10	10	30	30	30	30	30	30	30	30	30	10	10	30	30	30	10	10	10	10	10	10	10	30	30	10	10	30	.8	0.0
A062	30	10	10	30	30	30	10	10	10	10	30	30	30	30	30	30	30	30	30	23	10	30	30	30	10	10	10	23	10	10	10	30	30	10	10	30	.6	.1
A063	30	10	10	10	30	30	10	10	10	10	30	30	30	30	30	30	30	30	30	30	10	10	10	30	30	30	10	10	10	30	10	10	30	30	30	10	1.5	0.0
A064	30	10	10	30	30	30	10	10	10	10	30	30	30	30	30	30	30	30	30	30	10	10	30	30	30	10	10	10	10	10	10	30	30	10	10	30	1.0	0.0
A065	30	10	10	30	30	30	10	10	10	10	30	30	30	30	30	30	30	30	30	10	10	30	30	30	10	30	10	10	10	10	10	30	30	10	10	30	1.0	0.0
A066	30	10	10	30	30	30	10	10	10	10	30	30	30	30	30	30	30	30	30	10	23	30	30	30	10	30	10	10	10	10	10	30	30	10	10	30	1.0	.3

I=INSPECTION COLUMN: 1=PASS, 2=FAIL, 3=NOT APPLICABLE
A=ACTION COLUMN: 0=NO ACTION, 1=ADJUST, 2=REPAIR, 3=REPLACE

APPENDIX D - RESTORATIVE MAINTENANCE EVALUATION
EMISSION COMPONENT FUNCTION CHECK

GENERAL MOTORS CORPORATION

1. P.C.V.
2. Heated Air Inlet
3. E.F.E.
4. E.F.E. TVV
5. E.F.E. Check Valve
6. E.G.R. Valve
7. E.G.R. TCV
8. E.G.R. Snap Disc Control Valve
9. E.G.R. Backpressure Transducer
10. E.G.R TVV
11. Air Injection Reactor
12. Full Vacuum Advance System
13. Ported Vacuum Advance System
14. Distributor Advance Diaphragm
15. Vacuum Spark Delay Valve (or restrictor)
16. Vacuum Advance TVV
17. Vacuum Advance TVS
18. Vacuum Advance Modulator Valve
19. Idle Stop Solenoid
20. Vacuum Break (primary)
21. Vacuum Break (secondary)
22. Electric Choke
23. Spark Plugs, Wires, etc.
24. Other

APPENDIX D

EMISSION CONTROL FUNCTION CHECK

SAN FRANCISCO

MANUFACTURER: GENERAL

VEH NO.	1 IA	2 IA	3 IA	4 IA	5 IA	6 IA	7 IA	8 IA	9 IA	10 IA	11 IA	12 IA	13 IA	14 IA	15 IA	16 IA	17 IA	18 IA	19 IA	20 IA	21 IA	22 IA	23 IA	24 IA	MAN HRS INSP.	MAN HRS ACT.
6067	10	10	10	10	30	10	30	30	30	10	30	30	10	10	30	30	30	30	30	10	10	30	10	30	.5	0.0
6068	10	10	10	10	30	10	10	30	30	30	30	30	10	10	30	30	10	30	30	10	30	30	10	30	.5	0.0
6069	10	10	10	10	30	10	10	30	30	10	30	30	10	10	30	10	30	30	30	10	10	30	10	30	.5	0.0
6070	10	10	10	10	30	10	10	30	30	30	30	30	10	10	30	30	10	30	30	10	10	30	10	30	.4	0.0
6071	10	10	10	10	30	10	10	30	30	10	30	30	10	10	30	30	10	30	30	10	10	30	10	30	.4	0.0
6072	10	30	30	30	30	10	10	30	10	30	10	30	10	10	30	30	10	30	30	10	10	30	10	30	1.0	0.0
6073	10	10	10	10	30	10	10	30	10	10	10	10	30	10	30	30	10	30	30	30	30	30	10	30	1.0	0.0
6074	10	30	30	30	30	10	10	30	30	30	10	30	10	10	30	30	30	30	30	10	10	10	10	30	1.0	0.0
6075	10	10	10	10	30	10	10	30	30	30	10	30	10	10	30	30	30	30	30	10	30	10	10	30	.8	0.0
6076	10	10	10	10	30	10	10	30	30	30	30	10	30	10	30	30	10	30	30	10	30	30	10	30	.5	0.0
6077	10	10	10	10	30	10	10	30	30	10	10	30	10	10	30	30	30	30	10	10	10	30	10	30	.4	0.0
6078	10	10	10	10	10	10	10	30	30	30	10	10	30	10	30	30	10	30	30	10	30	30	10	30	.4	0.0
6079	10	10	10	10	30	10	10	30	30	30	10	30	10	10	30	30	30	30	10	10	30	30	10	30	.4	0.0
6080	10	10	10	10	30	10	10	30	30	30	10	10	30	10	30	30	10	30	30	10	30	30	10	30	.4	0.0
6081	10	10	22	10	10	10	10	30	30	30	10	10	30	10	30	30	10	30	10	10	30	30	10	30	.5	.3
6082	10	10	10	10	10	10	10	30	30	10	10	10	30	10	30	30	30	30	10	30	30	30	10	30	.5	0.0
6083	10	10	10	10	30	10	10	30	30	30	10	10	30	10	30	30	30	30	30	10	30	30	10	30	.5	0.0
6084	10	10	10	10	30	10	10	30	30	30	10	10	30	10	30	30	30	30	30	10	30	30	10	30	.5	0.0
6085	10	10	10	10	10	10	10	30	30	30	10	10	30	10	30	30	30	30	30	10	30	30	10	30	.5	0.0
6086	10	10	10	10	30	10	10	30	30	30	10	10	30	10	30	30	10	30	30	10	30	30	10	30	.5	0.0
6087	10	10	10	10	30	10	10	30	30	30	10	10	30	10	30	30	10	30	30	10	30	30	10	30	.4	0.0
6088	10	10	10	10	30	10	10	30	30	30	10	10	30	10	30	30	30	30	30	10	30	30	10	30	.4	0.0
6089	10	10	10	10	30	10	10	30	30	30	10	10	30	10	30	30	30	30	30	10	30	30	10	30	.4	0.0
6090	10	10	30	30	30	10	30	30	10	30	30	30	10	10	10	30	30	30	30	10	10	30	10	30	.5	0.0
6091	10	10	30	30	30	10	30	30	10	30	30	30	10	10	10	30	30	30	30	10	10	30	10	30	.5	0.0
6092	10	10	30	30	30	10	10	30	10	30	30	30	10	10	10	30	30	30	30	10	10	30	10	30	.5	0.0
6093	10	10	30	30	30	10	30	30	10	30	30	30	10	10	10	30	10	30	30	10	10	30	10	30	.5	0.0
6094	10	10	10	10	10	10	10	30	10	30	30	30	10	10	10	30	30	30	30	10	10	30	10	30	.5	0.0
6095	10	10	30	30	30	10	10	30	10	30	30	30	10	10	20	30	10	30	30	10	10	30	10	30	.7	0.0
6096	10	10	30	30	30	10	30	30	30	30	30	30	10	10	10	30	10	30	30	10	10	30	10	30	.4	0.0
6097	10	10	10	10	10	10	10	30	10	30	30	10	30	10	10	30	10	30	30	10	10	30	10	30	.5	0.0
6098	10	10	30	30	30	10	10	30	10	30	30	10	30	10	10	30	10	30	30	10	10	30	10	30	.5	0.0
6099	10	10	30	30	30	10	30	30	10	30	30	30	10	10	10	30	10	30	30	10	10	30	10	30	.5	0.0
6100	10	10	30	30	30	10	30	10	10	30	10	10	30	10	30	10	30	30	30	10	10	30	10	30	.5	0.0

I=INSPECTION COLUMNS: 1=PASS, 2=FAIL, 3=NOT APPLICABLE
A=ACTION COLUMNS: 0=NO ACTION, 1=ADJUST, 2=REPAIR, 3=REPLACE

APPENDIX E - IDLE CO AND RPM INSPECTION

APPENDIX E

IDLE CO AND RPM INSPECTION

SAN FRANCISCO

MANUFACTURER: CHRYSLER

VEH NO.	IDLE QUAL BEFORE ADJ	IDLE RPM MEAS.	IDLE RPM SPEC.	IDLE RPM ADJUSTED	IDLE CO SPEC.	IDLE CO MEAS.	ADJUSTED CURB IDLE	ADJUSTED IDLE CO	NUMBER OF 1/8 TURNS	WAS ADJUST. WITHIN RNGE	FINAL IDLE QUALITY
6002	FAIR	0800	0750		01.00	02.60	0720	01.10	02	YES	SLTYWRSE
6003	FAIR	0675	0750	0750	01.00	02.10	0750	01.00	03	NO CAPS	SLTYWRSE
6004	FAIR	0630	0750	0750	01.00	00.60	0750	01.00	02	NO CAPS	NO DIFF
6006	FAIR	0600	0750	0750	01.00	04.00	0750	01.00	09	NO CAPS	SLTYWRSE
6007	FAIR	0750	0750	0750	01.00	04.40	0750	01.00	12	NO CAPS	SLTYWRSE
6009	FAIR	0640	0750	0750	00.50	04.80	0750	00.50	06	NO	SLTYBETR
6010	FAIR	0750	0750		00.50	04.30	0750	00.50		NO CAPS	SLTYWRSE
6012	POOR	0650	0750	0750	02.00	02.90	0750	02.00	02	NO CAPS	NO DIFF
6013	XLNT	0700	0750		00.30	03.00		00.30	08	NO CAPS	SLTYWRSE
6014	FAIR	0800	0800		01.00	02.10		01.10	02	YES	SLTYBETR
6016	XLNT	0775	0750	0750	01.00	02.90	0750	01.00	05	NO CAPS	SLTYWRSE
6020	FAIR	0715	0750	0750	01.00	02.60	0750	01.00	05	NO CAPS	SLTYWRSE
6026	FAIR	0640	0750	0750	00.50	03.30	0750	00.50	08	NO	SLTYWRSE
6027	FAIR	0900	0750	0750	01.00	01.60	0750	01.00	03	NO	NO DIFF
6028	FAIR	0750	0750		02.00	05.20	0750	02.00	11	NO	NO DIFF
6032	FAIR	0775	0750	0750	00.50	03.75	0750	00.50	01	YES	NO DIFF
6033	FAIR	0775	0750		00.50	03.40		00.50	09	NO CAPS	SLTYWRSE

IDLE QUALITY BEFORE ADJUSTMENT: POOR=STEADY MISFIRE, FAIR=INTERMITTENT ROUGHNESS, XLNT=SMOOTH, EVEN IDLE
FINAL IDLE QUALITY: MUCHWRSE=MUCH WORSE, SLTYWRSE=SLIGHTLY WORSE, NO DIFF=NO NOTICEABLE DIFFERENCE, SLTYBETR=SLIGHTLY BETTER, MUCHBETR=MUCH BETTER

APPENDIX E

IDLE CO AND RPM INSPECTION

SAN FRANCISCO

MANUFACTURER: FORD

VEH NO.	IDLE QUAL. BEFORE ADJ.	IDLE RPM MEAS.	IDLE RPM SPEC.	IDLE RPM ADJ. TO	IDLE RPM - PROPANE ALLOWED RNGE FROM	TO	MEAS.	IDLE RPM - ADJUSTED FINAL	RESET RNGE FROM	TO	FINAL INCR.	NUMBER OF 1/4 TURNS	WAS ADJUST. WITHIN RNGE	FINAL IDLE QUALITY
6035	FAIR	0690	0800	0800	000	130	080							
6040	FAIR	0800	0850		000	020	000	0775	010	999	010	01	NO CAPS	NO DIFF
6042	FAIR	0600	0600		000	080	000	0600	000	080	050	03	NO CAPS	NO DIFF
6049	FAIR	0610	0650		030	999	010	0650	050	070	060	06	NO	SLTYWRSE
6054	POOR	0650	0650		030	999	020	0625	050	070	050	03	NO CAPS	NO DIFF
6058	FAIR	0375	0700	0700	010	060	015							SLTYWRSE
6060	FAIR	0580	0700	0700	010	060	100	0700	020	060	050	01	NO	SLTYBETR
6062	FAIR	0530	0650	0650	030	999	015	0650	050	070	060	04	NO CAPS	SLTYWRSE
6063	FAIR	0760	0625	0625	020	040	035							NO DIFF
6066	POOR	0450	0650	0650	015	040	000	0650	030	999	030	02	NO	NO DIFF
														SLTYBETR

IDLE QUALITY BEFORE ADJUSTMENT: POOR=STEADY MISFIRE, FAIR=INTERMITTENT ROUGHNESS, XLNT=SMOOTH, EVEN IDLE
FINAL IDLE QUALITY: MUCHWRSE=MUCH WORSE, SLTYWRSE=SLIGHTLY WORSE, NO DIFF=NO NOTICEABLE DIFFERENCE,
SLTYBETR=SLIGHTLY BETTER, MUCHBETR=MUCH BETTER

APPENDIX F

IDLE CO AND RPM INSPECTION

SAN FRANCISCO

MANUFACTURER: GEN MTRS

VEH NO.	IDLE QUAL BEFORE ADJ	IDLE RPM MEAS.	NO. 1/4 TURNS TO SEAT SCREW RIGHT	NO. 1/4 TURNS TO SEAT SCREW LEFT	SPEC. IDLE RPM BEFORE CLEAN DROP	FINAL	NO. 1/4 TURNS FOR THIS DROP	AVG NO. 1/4 TURNS TO FINAL IDLE RPM RIGHT	LEFT	FINAL IDLE QUALITY
6057	FAIR	0600	07	08	0680	0600	05	07	07	NO DIFF
6069	FAIR	0480	10	10	0660	0600	15	06	06	NO DIFF
6071	FAIR	0580	12	11	0680	0600	10	10	10	NO DIFF
6073	FAIR	0600	10	10	0620	0600	13	07	07	NO DIFF
6075	FAIR	0580	10	10	0650	0600	07	15	15	NO DIFF
6081	FAIR	0570	06	06	0650	0600	07	05	05	NO DIFF
6082	FAIR	0625	10	10	0650	0600	03	09	09	NO DIFF
6083	FAIR	0530	09	09	0650	0600	06	08	08	NO DIFF
6085	FAIR	0600	09	09	0650	0600	04	09	09	NO DIFF
6086	FAIR	0480	09	08	0650	0600	10	02	02	MUCHBETR
6087	FAIR	0615	08	07	0650	0600	06	06	06	NO DIFF
6088	XLNT	0620	07	07	0650	0600	05	06	06	SLTYWRSE
6091	FAIR	0500	13	13	0625	0600	04	12	12	SLTYBETR
6093	FAIR	0535	21	21	0625	0600	03	13	13	SLTYBETR
6097	FAIR	0520	08	11	0675	0600	05	07	07	MUCHBETR
6099	FAIR	0660	09	09	0675	0650	03	10	10	NO DIFF

IDLE QUALITY BEFORE ADJUSTMENT: POOR=STEADY MISFIRE, FAIR=INTERMITTENT ROUGHNESS, XLNT=SMOOTH, EVEN IDLE
FINAL IDLE QUALITY: MUCHWRSE=MUCH WORSE, SLTYWRSE=SLIGHTLY WORSE, NO DIFF=NO NOTICEABLE DIFFERENCE,
SLTYBETR=SLIGHTLY BETTER, MUCHBETR=MUCH BETTER

APPENDIX F - ONE YEAR/15,000 MILE REQUIRED MAINTENANCE

APPENDIX F - RESTORATIVE MAINTENANCE EVALUATION
ONE YEAR/15,000 MILE REQUIRED MAINTENANCE

CHRYSLER CORPORATION

1. Replace Engine Oil and Filter
2. Check Cooling System
3. Check EGR System
4. Check Ignition Cables, Cap, Rotor
5. Check PCV System and Air Filter
6. Replace Spark Plugs (Leaded Fuel)
7. Adjust Tappets (Six cylinder)
8. Inspect Hoses and Grommets
9. Replace Canister Filter
10. Check and Lube Carb Choke Shaft
11. Check and Lube Fast Idle Cam Pivot
12. Adjust Idle Speed and Mixture
13. Other

APPENDIX F

ONE YEAR/15,000 MILE SCHEDULED MAINTENANCE

SAN FRANCISCO

MANUFACTURER: CHRYSLER

VEH	1 A	2 IA	3 IA	4 IA	5 IA	6 IA	7 IA	8 IA	9 A	10 IA	11 IA	12 A	13 IA	MAN HRS REQUIRED	PARTS COST
6002	3	10	13	10	23	30	21	10	3	10	10	1	30	1.5	55.11
6004	3	23	10	10	23	30	30	10	3	10	10	1	23	1.0	20.07
6009	3	23	10	10	10	30	30	10	3	10	10	0	30	1.0	12.68
6011	3	23	10	10	10	30	30	10	3	10	10	1	30	1.0	13.46
6013	3	23	10	10	23	23	30	23	3	10	10	1	30	1.5	70.86
6020	3	23	10	10	23	30	30	10	3	10	10	1	30	1.0	20.08
6025	3	10	10	10	23	30	30	10	3	10	10	1	30	1.5	16.71
5026	3	23	10	10	10	30	30	10	3	10	10	1	30	1.5	13.46
6027	3	23	10	10	23	30	11	10	3	30	10	1	30	1.5	22.06
6028	3	23	10	10	23	30	30	10	3	30	10	1	30	1.0	20.50
6032	3	23	10	10	23	30	30	10	3	10	10	0	30	1.5	21.04
6033	3	23	10	23	23	23	30	10	3	10	10	1	30	2.0	39.55

I=INSPECTION COLUMN: 1=PASS, 2=FAIL, 3=NOT APPLICABLE
A=ACTION COLUMN: 0=NO ACTION, 1=ADJUST, 2=REPAIR, 3=REPLACE

APPENDIX F - RESTORATIVE MAINTENANCE EVALUATION
ONE YEAR/15,000 MILE REQUIRED MAINTENANCE

FORD MOTOR COMPANY

1. Change engine oil
2. Replace oil filter
3. Torque intake man. bolts
4. Lube/check exh. control valve
5. Check coolant
6. Check belt tensions
7. Inspect Thermactor System
8. Check/adj. fuel decel valve
9. Check ignition system w/scope
10. Replace spark plugs
11. Inspect/test spark plug wires
12. Check initial timing
13. Check spark control/delay system
14. Check idle fuel mixture
15. Check fast idle speed
16. Check curb idle speed
17. Check choke system
18. Check air cleaner temp. control/delay valve
19. Replace fuel filter
20. Adj. valve clearance
21. Check/torque all belt securing bolts
22. Inspect dist. cap-rotor
23. Inspect air filter element
24. Inspect PCV hoses
25. Check throttle solenoid "off" speed
26. Other

APPENDIX F

ONE YEAR/15,000 MILE SCHEDULED MAINTENANCE

SAN FRANCISCO

MANUFACTURER: FORD

VEH	1 A	2 A	3 A	4 IA	5 IA	6 IA	7 IA	8 IA	9 I	10 IA	11 IA	12 IA	13 IA	14 IA	15 IA	16 IA	17 IA	18 IA	19 IA	20 IA	21 IA	22 IA	23 IA	24 IA	25 IA	26 IA	MAN HRS REQUIRED	PARTS COST
6035	3	3	0	30	10	10	10	30	3	3	10	10	10	21	10	21	10	10	30	1	30	10	23	30	10	30	4.0	32.57
6048	3	3	0	30	23	10	10	30	3	3	10	10	10	10	10	10	10	10	30	30	30	10	23	10	10	23	1.0	33.88
6049	3	3	0	30	10	10	10	30	1	3	10	10	10	10	10	10	10	30	30	30	30	10	23	10	10	23	1.0	30.90
6051	3	3	0	30	10	10	10	30	1	3	10	10	10	10	10	21	10	30	30	30	30	10	23	10	10	23	1.0	30.90
6052	3	3	0	30	10	10	10	30	1	3	10	10	10	21	10	10	23	30	30	30	30	10	23	10	10	23	1.9	33.15
6060	3	3	0	30	23	10	10	30	1	3	10	10	10	10	10*	10	10	10	30	30	30	10	23	10	10	23	1.5	31.90
6061	3	3	0	30	10	10	10	30	1	3	10	10	10	10	10	10	10	30	30	30	30	10	23	10	10	23	1.5	33.15
6062	3	3	0	30	23	10	10	30	1	3	10	10	23	21	10	10	23	30	30	30	30	10	23	10	10	23	1.5	31.59
6066	3	3	0	30	10	10	10	30	1	3	10	10	10	21	10	21	10	30	30	30	30	10	23	10	10	23	1.5	34.70

1=INSPECTION COLUMN: 1=PASS, 2=FAIL, 3=NOT APPLICABLE
4=ACTION COLUMN: 0=NO ACTION, 1=ADJUST, 2=REPAIR, 3=REPLACE

APPENDIX F - RESTORATIVE MAINTENANCE EVALUATION
22,500 MILE SCHEDULED MAINTENANCE

GENERAL MOTORS CORPORATION

1. Change engine oil
2. Change oil filter
3. Check cooling system
4. Check exhaust system
5. Inspect drive belts
6. Check throttle linkage
7. Check air cleaner filter elements
8. Inspect carburetor and choke
9. Check & adjust idle speed
10. Check E.F.E. valve
11. Torque carburetor mounting bolts
12. Check vacuum advance system
13. Replace fuel filter
14. Check P.C.V. System
15. Check ignition timing
16. Check & adjust mechanical valve lifters
17. Check vacuum delay & separator valve
18. Inspect & clean spark plug wires, replace spark plugs
19. Other

[illegible]

[illegible]

[illegible]

[illegible]

UNIT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	MAN HRS REQUIRED	PARTS COST
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	10	30	30	13	30	3.0	45.20
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	10	20	30	13	30	2.0	45.60
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	10	30	10	23	21	2.0	57.22
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	10	30	30	23	30	4.0	55.40
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	21	30	10	13	21	2.0	39.37
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	21	30	30	13	23	1.5	35.25
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	21	30	30	13	30	2.0	35.86
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	10	30	10	10	30	1.5	42.12

[illegible]
[illegible]

APPENDIX G - LISTING OF RESTORATIVE MAINTENANCE COSTS FOR INDIVIDUAL VEHICLES

[illegible]

[illegible]

[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28.50	0.00	28.50
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	58.50	55.11	113.61
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	34.50	0.00	34.50
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	63.00	34.92	97.92
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	21.00	0.00	21.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	43.50	0.00	43.50
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	43.50	0.00	43.50
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	40.50	0.00	40.50
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	61.50	26.58	88.08
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	33.00	0.00	33.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	70.50	13.46	83.96
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	40.50	21.80	62.30
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	70.50	154.74	225.24
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	45.00	0.00	45.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	30.00	0.00	30.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	30.00	0.00	30.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	15.00	0.00	15.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22.50	0.00	22.50
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27.00	0.00	27.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	60.00	34.93	94.93
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31.50	0.00	31.50
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22.50	0.00	22.50
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	40.50	0.00	40.50
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27.00	0.00	27.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	45.00	16.71	61.71
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	75.00	33.66	108.66
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	76.50	40.59	117.09
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	73.50	20.50	94.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	37.50	81.19	118.69
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	37.50	0.00	37.50
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	92.00	37.12	79.12
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	73.50	21.04	94.54
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	73.50	79.51	153.01
[illegible]														
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1494.00	671.86	2165.86

[illegible]

[illegible]

[illegible]

[illegible] OF AUTOMOTIVE MAINTENANCE COSTS
FOR [illegible] VEHICLES

[illegible] PURCHASED

[illegible] YEARS

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	EMISSION COMPONENT FUNCTION CHECK			IDLE SET		MAJOR	TUNE-UP	TOTAL	TOTAL	TOTAL
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	INSP. LABOR	COMB. LABOR	INSP. LABOR	PARTS COST	LABOR	PARTS	COST
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00	0.00	0.00	0.00	22.50	0.00	22.50
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.00	1.50	60.00	32.57	94.50	32.57	127.07
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00	0.00	0.00	0.00	37.50	8.00	45.50
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00	0.00	0.00	0.00	18.00	0.00	18.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00	0.00	0.00	0.00	30.00	0.00	30.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00	0.00	0.00	0.00	27.00	0.00	27.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.00	3.00	0.00	0.00	39.00	0.00	39.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00	0.00	0.00	0.00	43.50	0.00	43.50
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.00	3.00	0.00	0.00	36.00	0.00	36.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00	0.00	0.00	0.00	21.00	0.00	21.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00	0.00	0.00	0.00	24.00	0.00	24.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00	0.00	0.00	0.00	22.50	0.00	22.50
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00	0.00	0.00	0.00	52.50	0.00	52.50
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00	0.00	0.00	0.00	34.50	0.00	34.50
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00	0.00	15.00	33.88	37.50	33.88	71.38
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.00	3.00	15.00	30.90	49.50	30.90	80.40
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00	0.00	0.00	0.00	33.00	0.00	33.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00	0.00	15.00	30.90	45.00	30.90	75.90
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00	0.00	0.00	0.00	28.50	0.00	28.50
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00	0.00	0.00	0.00	30.00	0.00	30.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.00	3.00	0.00	0.00	31.50	0.00	31.50
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00	0.00	0.00	0.00	21.00	0.00	21.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00	0.00	0.00	0.00	25.50	0.00	25.50
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00	0.00	0.00	0.00	22.50	0.00	22.50
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.00	1.50	20.50	33.15	67.50	47.80	115.30
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00	0.00	0.00	0.00	45.00	0.00	45.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.00	3.00	22.50	31.90	78.00	31.90	109.90
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.00	3.00	22.50	33.15	54.00	33.15	87.15
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.00	3.00	22.50	31.59	58.50	51.04	109.54
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.00	1.50	0.00	0.00	49.50	0.00	49.50
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00	0.00	0.00	0.00	30.00	0.00	30.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00	0.00	0.00	0.00	22.50	0.00	22.50
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.00	3.00	22.50	34.70	60.00	47.75	107.75
[illegible]	[illegible]													
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	38.00	25.50	223.50	292.74	1291.50	347.89	1639.39

[illegible] LABOR COST BASED ON $24.00 PER HOUR
PARTS DATA IN TOTAL PARTS COST

[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	IDLE SET INSP. LABOR	IDLE SET CORR. LABOR	MAJOR INSP. LABOR	TUNE-UP PARTS COST	TOTAL LABOR	TOTAL PARTS	TOTAL COST
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.50	0.00	0.00	0.00	42.00	0.00	42.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00	0.00	0.00	0.00	19.50	0.00	19.50
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.50	0.00	0.00	0.00	22.50	0.00	22.50
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00	0.00	0.00	0.00	13.50	0.00	13.50
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.50	0.00	45.00	45.26	70.50	45.26	115.76
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00	0.00	0.00	0.00	30.00	0.00	30.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.50	0.00	0.00	0.00	34.50	0.00	34.50
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00	0.00	0.00	0.00	22.50	0.00	22.50
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.50	0.00	30.00	45.68	57.00	45.68	102.68
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00	0.00	0.00	0.00	18.00	0.00	18.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00	0.00	0.00	0.00	21.00	0.00	21.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00	0.00	0.00	0.00	22.50	0.00	22.50
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00	0.00	0.00	0.00	13.50	0.00	13.50
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00	0.00	0.00	0.00	13.50	0.00	13.50
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.50	0.00	30.00	57.22	61.50	57.22	118.72
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.50	0.00	0.00	0.00	30.00	0.00	30.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.50	0.00	60.00	55.40	82.50	55.40	137.90
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00	0.00	0.00	0.00	15.00	0.00	15.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.50	0.00	30.00	39.37	54.00	39.37	93.37
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.50	0.00	0.00	0.00	25.50	0.00	25.50
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.50	0.00	22.50	35.25	46.50	35.25	81.75
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.50	0.00	30.00	35.86	51.00	35.86	86.86
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00	0.00	0.00	0.00	18.00	0.00	18.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00	0.00	0.00	0.00	15.00	0.00	15.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.50	0.00	0.00	0.00	22.50	0.00	22.50
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00	0.00	0.00	0.00	15.00	0.00	15.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.50	0.00	0.00	0.00	28.50	0.00	28.50
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00	0.00	0.00	0.00	18.00	0.00	18.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00	0.00	0.00	0.00	13.50	0.00	13.50
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00	0.00	0.00	0.00	22.50	0.00	22.50
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.50	0.00	22.50	42.12	51.00	42.12	93.12
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00	0.00	0.00	0.00	15.00	0.00	15.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.50	0.00	0.00	0.00	25.50	0.00	25.50
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00	0.00	0.00	0.00	22.50	0.00	22.50
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	120.00	0.00	270.00	356.16	1033.50	356.16	1389.66

[illegible]

APPENDIX H - LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

[illegible] NO.	[illegible] NO.	[illegible]	[illegible]	MODEL	CID	TEST TYPE	---- EMISSION RESULTS (GMS/MI) ---- HC	CO	CO2	NOXC	FUEL ECON (MPG)
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1975 FTP	.41	4.37	541.6	5.63	16.14
						HWY FET	.06	.05	423.0	7.93	20.96
	[illegible]	[illegible]	[illegible]	[illegible]		FED 5 CY	.32	.69	430.9	4.45	
	[illegible]	[illegible]	[illegible]	[illegible]		NY/NJ	.23	.46	589.9	3.87	
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	29.	.01	972.	24.0 IND HP	
						LO SPEED	14.	0.00	448.		
						IDLE	29.	.22	97.	600. RPM	
						2-SPD IDLE					
						HI IDLE	11.	.02	244.	2250. RPM	
						LO IDLE	12.	.09	57.	760. RPM	
						FED 3-MODE					
						HI SPEED	19.	.01	972.	26.0 DYNO HP	
						LO SPEED	24.	0.00	972.	12.0 DYNO HP	
						IDLE - D	15.	.03	167.		
						IDLE - N	10.	0.00	102.		

COMMENTS: LOWERED CAPS MISSING. EGR VACUUM LINES PLUGGED. OSAC OUT OF SPEC
[illegible] INOP.

2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1975 FTP	.64	5.75	614.8	1.19	14.07
						HWY FET	.07	.23	492.3	1.50	17.99
	[illegible]	[illegible]	[illegible]	[illegible]		FED 5 CY	.38	.96	503.2	.59	
	[illegible]	[illegible]	[illegible]	[illegible]		NY/NJ	.29	.82	684.6	.60	
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	18.	.01	396.	24.0 IND HP	
						LO SPEED	28.	0.00	79.		
						IDLE	12.	.01	40.	790. RPM	
						2-SPD IDLE					
						HI IDLE	63.	.02	45.	2250. RPM	
						LO IDLE	9.	.06	37.	760. RPM	
						FED 3-MODE					
						HI SPEED	6.	0.00	603.	26.0 DYNO HP	
						LO SPEED	17.	0.00	258.	12.0 DYNO HP	
						IDLE - D	13.	.06	66.		
						IDLE - N	10.	.01	70.		

COMMENTS: [illegible]

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

						---- EMISSION RESULTS (GMS/MI) ----				FUEL ECON
					TEST TYPE	HC	CO	CO2	NOXC	(MPG)
					1975 FTP	.82	9.32	599.6	.88	14.39
					HWY FET	.08	.16	466.8	1.68	18.98
					FED 5 CY	.80	3.54	478.6	.68	
					NY/NJ	1.63	14.88	686.1	.93	
					KEY MODE	HC. PPM	CO. PCT	NOX. PPM		
					HI SPEED	6.	.02	409.	24.0 IND HP	
					LO SPEED	22.	.01	182.		
					IDLE	7.	.01	84.	670. RPM	
					2-SPD IDLE					
					HI IDLE	42.	0.00	69.	2250. RPM	
					LO IDLE	3.	.01	36.	825. RPM	
					FED 3-MODE					
					HI SPEED	0.	0.00	300.	31.0 DYNO HP	
					LO SPEED	0.	0.00	192.	15.0 DYNO HP	
					IDLE - D	0.	0.00	44.		
					IDLE - N	0.	0.00	30.		
					1975 FTP	.84	9.59	594.5	1.20	14.50
					HWY FET	.09	.02	465.9	1.69	19.01
					FED 5 CY	.32	.48	486.0	.79	
					NY/NJ	.40	1.29	499.7	.88	
					KEY MODE	HC. PPM	CO. PCT	NOX. PPM		
					HI SPEED	3.	.01	413.	24.0 IND HP	
					LO SPEED	9.	0.00	141.		
					IDLE	5.	0.00	91.	645. RPM	
					2-SPD IDLE					
					HI IDLE	71.	0.00	94.	2250. RPM	
					LO IDLE	8.	0.00	49.	760. RPM	
					FED 3-MODE					
					HI SPEED	7.	.01	545.	31.0 DYNO HP	
					LO SPEED	9.	.01	306.	15.0 DYNO HP	
					IDLE - D	6.	.01	90.		
					IDLE - N	7.	9.00	54.		

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1975 FTP	.56	6.00	629.4	1.35	13.83
					HWY FET	.06	.05	488.3	1.73	18.15
[illegible]					FED 5 CY	.32	1.22	487.6	.75	
[illegible]					NY/NJ	.48	2.83	655.5	.74	
[illegible]										
						HC.	CO.	NOX.		
					KEY MODE	PPM	PCT	PPM		
					HI SPEED	8.	0.00	439.	24.0 IND HP	
					LO SPEED	9.	0.00	179.		
					IDLE	7.	0.00	99.	655. RPM	
					2-SPD IDLE					
					HI IDLE	44.	0.00	83.	2250. RPM	
					LO IDLE	10.	0.00	51.	790. RPM	
					FED 3-MODE					
					HI SPEED	9.	0.00	660.	31.0 DYNO HP	
					LO SPEED	12.	0.00	355.	15.0 DYNO HP	
					IDLE - D	10.	0.00	89.		
					IDLE - N	10.	0.00	59.		

[illegible] - REPLACE [illegible] AND VALVE, AIR FILTER - ADJ ICO
[illegible] CAUSE OF ABNORMAL [illegible]
[illegible]

TEST NO.	VEH NO.	YEAR	MAKE	MODEL CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1975 FTP	.60	8.65	656.3	1.42	13.24
					HWY FET	.06	.76	555.6	1.86	15.92
[illegible]					FED 5 CY	1.29	3.00	578.1	1.06	
[illegible]					NY/NJ	.52	.11	720.5	1.10	
[illegible]										
						HC.	CO.	NOX.		
					KEY MODE	PPM	PCT	PPM		
					HI SPEED	25.	0.00	463.	24.0 IND HP	
					LO SPEED	79.	.01	161.		
					IDLE	50.	.10	41.	750. RPM	
					2-SPD IDLE					
					HI IDLE	58.	.01	40.	2250. RPM	
					LO IDLE	18.	.04	16.	900. RPM	
					FED 3-MODE					
					HI SPEED	8.	.52	689.	31.0 DYNO HP	
					LO SPEED	13.	0.00	321.	15.0 DYNO HP	
					IDLE - D	25.	.02	56.		
					IDLE - N	13.	.01	51.		

[illegible]

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	---- EMISSION RESULTS (GMS/MI) ---- HC	CO	CO2	NOXC	FUEL ECON (MPG)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	225	1975 FTP	2.06	35.65	542.3	5.22	14.67
						HWY FET	.30	2.68	426.0	6.62	20.58
						FED 5 CY	2.68	21.07	443.3	4.08	
						NY/NJ	3.15	43.48	559.9	3.27	
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	23.	0.00	1639.	24.0 IND HP	
						LO SPEED	44.	0.00	1700.		
						IDLE	161.	4.81	59.	780. RPM	
						2-SPD IDLE					
						HI IDLE	29.	0.00	235.	2250. RPM	
						LO IDLE	155.	4.53	43.	1200. RPM	
						FED 3-MODE					
						HI SPEED	10.	0.00	1656.	31.0 DYNO HP	
						LO SPEED	21.	0.00	1742.	15.0 DYNO HP	
						IDLE - D	145.	5.73	78.		
						IDLE - N	170.	5.79	37.		

COMMENTS: PLUG FOR MANIFOLD VACUUM TO VACUUM ADVANCE-REMOVE AIR PUMP BELT

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	225	1975 FTP	.55	5.72	629.5	5.18	13.86
						HWY FET	.05	.04	482.5	7.03	18.38
						FED 5 CY	.30	1.04	490.6	4.38	
						NY/NJ	.23	.46	652.7	3.66	
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	24.	0.00	1222.	24.0 IND HP	
						LO SPEED	56.	0.00	419.		
						IDLE	42.	.01	83.	620. RPM	
						2-SPD IDLE					
						HI IDLE	3.	0.00	135.	2250. RPM	
						LO IDLE	7.	0.00	60.	800. RPM	
						FED 3-MODE					
						HI SPEED	13.	0.00	1356.	31.0 DYNO HP	
						LO SPEED	34.	0.00	1087.	15.0 DYNO HP	
						IDLE - D	29.	0.00	75.		
						IDLE - N	25.	0.00	59.		

COMMENTS: PLUG FOR

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	[illegible] NO.	[illegible]	[illegible]	[illegible]	[illegible]	TEST TYPE	---- EMISSION RESULTS (GMS/MI) ---- HC	CO	CO2	NOXC	FUEL ECON (MPG)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1975 FTP	1.09	8.44	673.4	1.49	12.86
						HWY FET	.06	.48	564.1	2.10	15.70
						FED 5 CY	.56	.56	565.5	.91	
						NY/NJ	.52	.35	695.2	.90	
							HC.	CO.	NOX.		
						REV MODE	PPM	PCT	PPM		
						HI SPEED	12.	0.00	450.	24.0 IND HP	
						LO SPEED	44.	0.00	131.		
						IDLE	23.	0.00	37.	720. RPM	
						2-SPD IDLE					
						HI IDLE	124.	0.00	39.	2250. RPM	
						LO IDLE	7.	0.00	23.	990. RPM	
						FED 3-MODE					
						HI SPEED	9.	0.00	673.	31.0 DYNO HP	
						LO SPEED	24.	0.00	267.	15.0 DYNO HP	
						IDLE - D	29.	0.00	37.		
						IDLE - N	17.	0.00	39.		
						COMMENTS: MANIFOLD VACUUM TO VACUUM ADVANCE					
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1975 FTP	4.89	83.18	578.4	1.01	12.25
						HWY FET	.86	10.60	501.6	.99	17.04
						FED 5 CY	4.48	56.05	496.5	.64	
						NY/NJ	8.01	138.57	568.3	.43	
							HC.	CO.	NOX.		
						REV MODE	PPM	PCT	PPM		
						HI SPEED	0.	0.00	341.	24.0 IND HP	
						LO SPEED	71.	0.00	81.		
						IDLE	298.	9.12	0.	630. RPM	
						2-SPD IDLE					
						HI IDLE	91.	.77	32.	2250. RPM	
						LO IDLE	311.	8.72	0.	820. RPM	
						FED 3-MODE					
						HI SPEED	1.	0.00	699.	31.0 DYNO HP	
						LO SPEED	6.	0.00	219.	15.0 DYNO HP	
						IDLE - D	256.	8.97	0.		
						IDLE - N	298.	9.01	0.		
						COMMENTS: [illegible]					

[illegible] EMISSIONS FROM [illegible] VEHICLES

[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	EMISSION RESULTS (GMS/MI)			FUEL ECON
							HC	CO	CO2	NOX	(MPG)
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.43	9.22	760.7	3.81	11.45
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.04	.12	538.0	0.07	16.45
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.43	.52	593.7	4.41	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.17	.79	895.2	2.33	
							HC,	CO,	NOX,		
							GMS	PCT	PPM		
							HOT SPREAD	17,	.07	213.	29.0 IND HP
							LOW SPREAD	29,	.05	183.	
							DIAL	14,	.17	57.	650. PPM
							[illegible] DIAL				
							HOT DIAL	7,	0.00	190.	2250. PPM
							LOW DIAL	5,	.04	51.	750. PPM
							[illegible] SPREAD				
							HOT SPREAD	1,	.01	293.	31.0 GRAD HP
							LOW SPREAD	13,	0.00	406.	14.0 GRAD HP
							DIAL = 1V	4,	.04	68.	
							DIAL = 4V	6,	.05	55.	

[illegible] = FLAP ESTABLISHED = CHOKE PLATE =.010

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.93	13.30	959.3	1.91	10.06
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.02	.50	669.5	1.65	13.21
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.04	.78	589.6	1.96	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.17	.48	929.7	1.27	
							HC,	CO,	NOX,		
							GMS	PCT	PPM		
							HOT SPREAD	13,	0.00	164.	29.0 IND HP
							LOW SPREAD	11,	0.00	134.	
							DIAL	17,	0.00	75.	750. PPM
							[illegible] DIAL				
							HOT DIAL	15,	0.00	87.	2250. PPM
							LOW DIAL	19,	0.00	54.	750. PPM
							[illegible] SPREAD				
							HOT SPREAD	1,	0.00	237.	31.0 GRAD HP
							LOW SPREAD	0,	0.00	189.	15.0 GRAD HP
							DIAL = 1V	0,	0.00	91.	
							DIAL = 4V	0,	0.00	66.	

[illegible]

APPENDIX M

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL CID	TEST TYPE	---- EMISSION RESULTS (GMS/MI) ---- HC	CO	CO2	NOXC	FUEL ECON (MPG)
1	6005	1976	DODG	ASPE 225	1975 FTP	.45	6.73	545.0	5.95	15.93
					HWY FET	.06	.17	435.8	8.81	20.33
					FED S CY	.21	1.18	427.8	4.69	
					NY/NJ	.23	.11	546.6	4.47	
	IDLE HC,PPM/HEXANE 125.					HC, PPM	CO, PCT	NOX, PPM		
	IDLE CO,PCT (MEAS) 5.10				KEY MODE					
	IDLE CO,PCT (SPEC) 1.00				HI SPEED	20.	0.00	2332.	24.0 IND HP	
					LO SPEED	14.	0.00	1548.		
					IDLE	7.	0.00	87.	565. RPM	
					2-SPD IDLE					
					HI IDLE	10.	0.00	432.	2250. RPM	
					LO IDLE	7.	.01	57.	710. RPM	
					FED 3-MODE					
					HI SPEED	22.	.01	2332.	31.0 DYNO HP	
					LO SPEED	28.	0.00	2332.	15.0 DYNO HP	
					IDLE - D	9.	.01	81.		
					IDLE - N	7.	.01	61.		
	COMMENTS: LIMITER CAP BROKEN - TIMING -3 - EGR PLUGGED - OSAC 45 SEC									
	EGR DELAY 0 SEC									
2	6005	1976	DODG	ASPE 225	1975 FTP	.57	5.45	606.2	1.54	14.39
					HWY FET	.09	.77	482.5	1.90	18.32
					FED S CY	.30	1.18	510.0	.90	
					NY/NJ	.34	1.17	662.9	.93	
	IDLE HC,PPM/HEXANE 185.					HC, PPM	CO, PCT	NOX, PPM		
	IDLE CO,PCT (MEAS) 4.20				KEY MODE					
	IDLE CO,PCT (SPEC) 1.00				HI SPEED	8.	0.00	653.	24.0 IND HP	
					LO SPEED	7.	0.00	218.		
					IDLE	8.	.01	52.	580. RPM	
					2-SPD IDLE					
					HI IDLE	53.	.01	57.	2250. RPM	
					LO IDLE	6.	.01	43.	740. RPM	
					FED 3-MODE					
					HI SPEED	3.	.01	751.	31.0 DYNO HP	
					LO SPEED	6.	0.00	441.	15.0 DYNO HP	
					IDLE - D	7.	.01	55.		
					IDLE - N	5.	0.00	47.		
	COMMENTS: ADJ TIMING - UNPLUG EGR									

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
1	6006	1976	DODG	ASPE	318	1975 FTP	.35	3.39	714.2	3.39	12.32
						HWY FET	.09	.08	495.4	5.85	17.89
	IDLE HC.PPM/HEXANE 210.					FED S CY	.21	.65	545.4	3.55	
	IDLE CO.PCT (MEAS) 6.30					NY/NJ	.17	.94	771.1	2.03	
	IDLE CO.PCT (SPEC) 1.00										
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	31.	.02	972.	24.0 IND HP	
						LO SPEED	17.	.02	264.		
						IDLE	20.	.25	76.	610. RPM	
						2-SPD IDLE					
						HI IDLE	16.	.01	154.	2250. RPM	
						LO IDLE	13.	.18	48.	720. RPM	
						FED 3-MODE					
						HI SPEED	17.	.01	953.	31.0 DYNO HP	
						LO SPEED	24.	0.00	972.	15.0 DYNO HP	
						IDLE - D	34.	.14	69.		
						IDLE - N	9.	.12	52.		
	COMMENTS: LIMITER CAPS MISSING - TIMING +3 - EGR HOSE DISCON - OSAC 60 SEC DIVERTER VALVE NOT DIVERTING										
2	6006	1976	DODG	ASPE	318	1975 FTP	.67	9.23	836.7	1.11	10.40
						HWY FET	.21	.47	673.7	1.02	13.14
	IDLE HC.PPM/HEXANE 120.					FED S CY	.71	3.40	645.5	1.13	
	IDLE CO.PCT (MEAS) 4.80					NY/NJ	.40	1.06	884.2	1.01	
	IDLE CO.PCT (SPEC) 1.00										
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	12.	.01	179.	24.0 IND HP	
						LO SPEED	9.	.01	123.		
						IDLE	10.	.04	49.	610. RPM	
						2-SPD IDLE					
						HI IDLE	42.	.01	79.	2250. RPM	
						LO IDLE	12.	.05	41.	730. RPM	
						FED 3-MODE					
						HI SPEED	7.	0.00	282.	31.0 DYNO HP	
						LO SPEED	7.	.01	158.	15.0 DYNO HP	
						IDLE - D	4.	.05	49.		
						IDLE - N	4.	.03	44.		
	COMMENTS: ADJ TIMING - CONNECT EGR HOSE										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
3	6006	1976	DODG	ASPE	318	1975 FTP	.51	4.93	819.1	1.13	10.71
						HWY FET	.17	.24	676.1	.96	13.11
	IDLE HC,PPM/HEXANE 50.					FED S CY	.30	1.00	643.9	.89	
	IDLE CO,PCT (MEAS) 1.50					NY/NJ	.46	.23	891.5	1.00	
	IDLE CO,PCT (SPEC) 1.00						HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	7.	.01	229.	24.0 INU HP	
						LO SPEED	9.	.01	120.		
						IDLE	7.	.04	89.	690. RPM	
						2-SPD IDLE					
						HI IDLE	64.	.03	72.	2250. RPM	
						LO IDLE	7.	.01	53.	790. RPM	
						FED 3-MODE					
						HI SPEED	6.	.01	273.	31.0 DYNO HP	
						LO SPEED	9.	0.00	119.	15.0 DYNO HP	
						IDLE - D	4.	.02	92.		
						IDLE - N	3.	0.00	59.		
	COMMENTS: ADJ IRPM AND ICO										
1	6007	1976	DODG	ASPE	318	1975 FTP	.50	7.68	746.3	3.52	11.68
						HWY FET	.08	.05	505.8	6.50	17.51
	IDLE HC,PPM/HEXANE 140.					FED S CY	.21	1.57	586.2	3.86	
	IDLE CO,PCT (MEAS) 6.00					NY/NJ	.17	1.17	857.3	2.27	
	IDLE CO,PCT (SPEC) 1.00						HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	9.	.01	1038.	24.0 IND HP	
						LO SPEED	6.	0.00	218.		
						IDLE	8.	.05	66.	700. RPM	
						2-SPD IDLE					
						HI IDLE	9.	0.00	157.	2250. RPM	
						LO IDLE	8.	.04	53.	850. RPM	
						FED 3-MODE					
						HI SPEED	11.	.01	1251.	31.0 DYNO HP	
						LO SPEED	17.	0.00	2058.	15.0 DYNO HP	
						IDLE - D	8.	.07	95.		
						IDLE - N	6.	.03	79.		
	COMMENTS: LIMITER CAPS MISSING - EGR PLUGGED - OSAC 60 SEC + CHOKE PLATE -.030										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
2	6007	1976	DODG	ASPE	318	1975 FTP	.82	11.69	866.7	1.41	10.00
						HWY FET	.15	.77	704.2	1.29	12.56
	IDLE HC.PPM/HEXANE 130.					FED S CY	.80	6.82	667.4	1.22	
	IDLE CO.PCT (MEAS) 4.40					NY/NJ	.69	5.19	926.1	1.16	
	IDLE CO.PCT (SPEC) 1.00										
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	3.	.01	239.	24.0 IND HP	
						LO SPEED	3.	0.00	271.		
						IDLE	6.	.08	55.	700. RPM	
						2-SPD IDLE					
						HI IDLE	42.	.02	61.	2250. RPM	
						LO IDLE	9.	.11	45.	800. RPM	
						FED 3-MODE					
						HI SPEED	1.	0.00	337.	31.0 DYNO HP	
						LO SPEED	9.	.01	308.	15.0 DYNO HP	
						IDLE - D	4.	.07	60.		
						IDLE - N	3.	.04	59.		
	COMMENTS: EGR HOSE UNPLUGGED										
3	6007	1976	DODG	ASPE	318	1975 FTP	.88	8.95	797.3	1.40	10.90
						HWY FET	.21	.81	668.1	1.23	13.23
	IDLE HC.PPM/HEXANE 70.					FED S CY	.43	1.44	590.6	1.54	
	IDLE CO.PCT (MEAS) 1.70					NY/NJ	.64	1.41	830.2	1.39	
	IDLE CO.PCT (SPEC) 1.00										
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	10.	.02	247.	24.0 IND HP	
						LO SPEED	7.	.01	152.		
						IDLE	8.	.03	84.	700. RPM	
						2-SPD IDLE					
						HI IDLE	75.	.02	104.	2250. RPM	
						LO IDLE	12.	.03	71.	800. RPM	
						FED 3-MODE					
						HI SPEED	7.	.01	216.	31.0 DYNO HP	
						LO SPEED	23.	.03	272.	15.0 DYNO HP	
						IDLE - D	8.	.02	111.		
						IDLE - N	8.	.01	106.		
	COMMENTS: IDLE CO ADJUSTED										

APPENDIX B

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	---- EMISSION RESULTS (GMS/MI) ---- HC	CO	CO2	NOXC	FUEL ECON (MPG)
1	5008	1975	PLYM	CORO	318	1975 FTP	.41	4.01	740.5	1.31	11.86
						HWY FET	.05	.04	552.4	1.27	16.05
	IDLE HC,PPM/HEXANE 60.					FED 5 CY	.30	.43	568.8	1.26	
	IDLE CO,PCT (MEAS) 1.85					NY/NJ	.17	.11	701.9	.80	
	IDLE CO,PCT (SPEC) .50						HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	7.	.01	208.	24.0 IND HP	
						LO SPEED	8.	.01	117.		
						IDLE	10.	0.00	33.	625. RPM	
						2-SPD IDLE					
						HI IDLE	44.	.01	252.	2250. RPM	
						LO IDLE	6.	.01	148.	730. RPM	
						FED 3-MODE					
						HI SPEED	6.	.01	355.	31.0 DYNO HP	
						LO SPEED	6.	0.00	173.	15.0 DYNO HP	
						IDLE - D	7.	0.00	49.		
						IDLE - N	4.	0.00	41.		
	COMMENTS: LIMITER CAPS OK - TIMING +3										
	USAC +60 SEC - PLUG FIRING VOLTAGE 30KV										
2	5008	1975	PLYM	CORO	318	1975 FTP	.83	6.95	794.0	1.32	10.99
						HWY FET	.36	.48	587.4	1.34	15.09
	IDLE HC,PPM/HEXANE 50.					FED 5 CY	.56	.91	670.3	.85	
	IDLE CO,PCT (MEAS) 2.10					NY/NJ	.58	.11	855.8	.84	
	IDLE CO,PCT (SPEC) .50						HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	10.	0.00	206.	24.0 IND HP	
						LO SPEED	13.	0.00	85.		
						IDLE	13.	.01	34.	600. RPM	
						2-SPD IDLE					
						HI IDLE	41.	0.00	51.	2250. RPM	
						LO IDLE	6.	0.00	35.	700. RPM	
						FED 3-MODE					
						HI SPEED	7.	0.00	310.	31.0 DYNO HP	
						LO SPEED	9.	0.00	170.	15.0 DYNO HP	
						IDLE - D	12.	0.00	41.		
						IDLE - N	8.	0.00	42.		
	COMMENTS: ADJ TIMING										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
1	6009	1976	CHRY	NEWP	400	1975 FTP	5.43	228.11	650.9	.88	8.65
						HWY FET	2.26	163.22	516.1	1.24	11.38
	IDLE HC,PPM/HEXANE		140.			FED S CY	5.00	215.57	717.4	.67	
	IDLE CO,PCT (MEAS)		3.00			NY/NJ	6.26	237.99	905.1	.45	
	IDLE CO,PCT (SPEC)		.50								
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	70.	6.57	324.	30.0 IND HP	
						LO SPEED	74.	6.29	97.		
						IDLE	206.	7.24	27.	560. RPM	
						2-SPD IDLE					
						HI IDLE	12.	2.23	84.	2250. RPM	
						LO IDLE	98.	5.69	34.	710. RPM	
						FED 3-MODE					
						HI SPEED	81.	6.86	383.	36.0 DYNO HP	
						LO SPEED	97.	7.21	159.	18.0 DYNO HP	
						IDLE - D	183.	7.59	67.		
						IDLE - N	152.	6.43	24.		
COMMENTS: LIMITER CAPS OK - EGR PLUGGED - OSAC INOP. CHOKE PLATE OPENING -.070											
2	6009	1976	CHRY	NEWP	400	1975 FTP	6.17	248.42	763.8	.67	7.56
						HWY FET	2.77	164.67	553.6	.60	10.80
	IDLE HC,PPM/HEXANE		200.			FED S CY	4.78	193.14	676.9	.39	
	IDLE CO,PCT (MEAS)		4.80			NY/NJ	4.50	219.68	950.6	.43	
	IDLE CO,PCT (SPEC)		.50								
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	72.	6.86	136.	30.0 IND HP	
						LO SPEED	56.	6.45	65.		
						IDLE	85.	6.34	33.	620. RPM	
						2-SPD IDLE					
						HI IDLE	21.	2.36	57.	2250. RPM	
						LO IDLE	22.	3.34	35.	800. RPM	
						FED 3-MODE					
						HI SPEED	47.	6.86	149.	36.0 DYNO HP	
						LO SPEED	80.	7.09	78.	18.0 DYNO HP	
						IDLE - D	93.	6.77	30.		
						IDLE - N	38.	4.96	10.		
COMMENTS: UNPLUG EGR											

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	EMISSION RESULTS (GMS/MI) HC	CO	CO2	NOXC	FUEL ECON (MPG)
3	6009	1976	CHRY	NEWP	400	1975 FTP	4.64	185.15	833.9	.83	7.79
						HWY FET	2.26	146.08	549.0	.67	11.29
	IDLE HC,PPM/HEXANE			80.		FED S CY	2.96	151.73	677.8	.51	
	IDLE CO,PCT (MEAS)			.85		NY/NJ	2.57	126.67	957.3	.70	
	IDLE CO,PCT (SPEC)			.50							
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	74.	6.26	123.	30.0 IND HP	
						LO SPEED	59.	5.37	58.		
						IDLE	42.	0.00	58.	650. RPM	
						2-SPD IDLE					
						HI IDLE	30.	1.27	43.	2250. RPM	
						LO IDLE	13.	0.00	42.	780. RPM	
						FED 3-MODE					
						HI SPEED	55.	6.50	140.	36.0 DYNO HP	
						LO SPEED	67.	6.84	60.	18.0 DYNO HP	
						IDLE - D	23.	0.00	62.		
						IDLE - N	21.	0.00	61.		
COMMENTS: ADJ IRPM AND ICO											
4	6009	1976	CHRY	NEWP	400	1975 FTP	4.77	196.43	839.3	.83	7.63
						HWY FET	2.50	154.00	566.9	.77	10.99
	IDLE HC,PPM/HEXANE			80.		FED S CY	2.59	127.72	714.1	.59	
	IDLE CO,PCT (MEAS)			1.10		NY/NJ	2.98	125.85	967.9	.68	
	IDLE CO,PCT (SPEC)			.50							
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	48.	6.82	161.	30.0 IND HP	
						LO SPEED	51.	6.48	63.		
						IDLE	16.	0.00	69.	640. RPM	
						2-SPD IDLE					
						HI IDLE	21.	1.11	64.	2250. RPM	
						LO IDLE	21.	0.00	46.	770. RPM	
						FED 3-MODE					
						HI SPEED	64.	7.12	137.	36.0 DYNO HP	
						LO SPEED	80.	7.36	65.	18.0 DYNO HP	
						IDLE - D	22.	0.00	69.		
						IDLE - N	24.	0.00	44.		
COMMENTS: MAJOR TUNE-UP - REPLACE PAD CAP AND OSAC - ADJ CHOKE PLATE											

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	EMISSION RESULTS (GMS/MI) HC	CO	CO2	NOXC	FUEL ECON (MPG)
A	6009	1976	CHRY	NEWP	400	1975 FTP	.51	6.00	917.0	2.12	9.56
						HWY FET	.03	.14	641.8	2.03	13.81
	IDLE HC,PPM/HEXANE		75.			FED S CY	.15	.26	860.1	1.58	
	IDLE CO,PCT (MEAS)		.50			NY/NJ	.17	.11	1049.8	1.35	
	IDLE CO,PCT (SPEC)		.50								
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	6.	0.00	535.	30.0 IND HP	
						LO SPEED	8.	0.00	161.		
						IDLE	8.	0.00	66.	635. RPM	
						2-SPD IDLE					
						HI IDLE	9.	0.00	107.	2250. RPM	
						LO IDLE	17.	0.00	50.	760. RPM	
						FED 3-MODE					
						HI SPEED	10.	0.00	543.	36.0 DYNO HP	
						LO SPEED	10.	0.00	281.	18.0 DYNO HP	
						IDLE - D	10.	0.00	86.		
						IDLE - N	13.	0.00	51.		
	COMMENTS: REPLACE CARBURETOR - ADJ IPPM AND ICO										
I	6010	1976	DODG	CHAR	400	1975 FTP	.46	5.83	787.7	1.41	11.12
						HWY FET	.06	.13	536.6	2.05	16.53
	IDLE HC,PPM/HEXANE		150.			FED S CY	.17	.48	643.9	.91	
	IDLE CO,PCT (MEAS)		4.30			NY/NJ	.34	1.53	872.2	.75	
	IDLE CO,PCT (SPEC)		.50								
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	14.	.03	609.	30.0 IND HP	
						LO SPEED	10.	.02	209.		
						IDLE	21.	.39	59.	620. RPM	
						2-SPD IDLE					
						HI IDLE	9.	.01	95.	2250. RPM	
						LO IDLE	14.	.05	43.	760. RPM	
						FED 3-MODE					
						HI SPEED	5.	.01	559.	31.0 DYNO HP	
						LO SPEED	6.	.01	227.	15.0 DYNO HP	
						IDLE - D	11.	.03	53.		
						IDLE - N	8.	.02	53.		
	COMMENTS: LIMITER CAPS MISSING - OSAC 60 SEC . - CHOKE PLATE OPENING -.100										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
5	6010	1976	DODG	CHAR	400	1975 FTP	4.34	92.20	603.3	5.28	11.65
						HWY FET	.53	5.46	502.0	7.61	17.30
	IDLE HC,PPM/HEXANE				250.	FED 5 CY	5.13	72.14	495.6	4.16	
	IDLE CO,PCT (MEAS)				5.00	NY/NJ	8.13	154.21	613.8	3.14	
	IDLE CO,PCT (SPEC)				.50						
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	34.	.05	2309.	30.0 IND HP	
						LO SPEED	102.	.08	718.		
						IDLE	464.	1.51	7.	700. RPM	
						2-SPD IDLE					
						HI IDLE	75.	.59	93.	2250. RPM	
						LO IDLE	632.	1.58	9.	975. RPM	
						FED 3-MODE					
						HI SPEED	32.	.04	2309.	31.0 DYNO HP	
						LO SPEED	44.	0.00	2264.	15.0 DYNO HP	
						IDLE - D	584.	1.58	3.		
						IDLE - N	588.	1.58	1.		
COMMENTS: EGR PLUGGED - AIR PUMP DISCON - LEAN BEST IDLE - MAN VAC TO VAC ADV											
6	6010	1976	DODG	CHAR	400	1975 FTP	.43	6.68	780.6	4.22	11.20
						HWY FET	.08	.10	545.2	7.27	16.26
	IDLE HC,PPM/HEXANE				85.	FED 5 CY	.30	1.69	635.3	3.19	
	IDLE CO,PCT (MEAS)				1.50	NY/NJ	.75	2.61	866.7	2.48	
	IDLE CO,PCT (SPEC)				.50						
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	25.	.02	2309.	30.0 IND HP	
						LO SPEED	25.	.01	1175.		
						IDLE	22.	.04	82.	660. RPM	
						2-SPD IDLE					
						HI IDLE	13.	0.00	213.	2250. RPM	
						LO IDLE	16.	.01	39.	830. RPM	
						FED 3-MODE					
						HI SPEED	15.	.01	2309.	31.0 DYNO HP	
						LO SPEED	14.	0.00	1141.	15.0 DYNO HP	
						IDLE - D	11.	.03	78.		
						IDLE - N	10.	.01	57.		
COMMENTS: EGR PLUGGED											

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	EMISSION RESULTS (GMS/MI) HC	CO	CO2	NOxC	FUEL ECON (MPG)
7	6010	1976	DODG	CHAR	400	1975 FTP	2.37	40.35	730.0	1.36	11.08
						HWY FET	.25	2.36	557.6	2.08	15.77
	IDLE HC,PPM/HEXANE		100.			FED 5 CY	2.61	37.42	575.0	.95	
	IDLE CO,PCT (MEAS)		2.30			NY/NJ	3.62	63.92	770.9	.64	
	IDLE CO,PCT (SPEC)		.50				HC, PPM	CO, PCT	NOx, PPM		
						KEY MODE					
						HI SPEED	16.	.03	537.	30.0 IND HP	
						LO SPEED	33.	.04	185.		
						IDLE	117.	.92	52.	700. RPM	
						2-SPD IDLE					
						HI IDLE	27.	.06	121.	2250. RPM	
						LO IDLE	135.	.93	42.	800. RPM	
						FED 3-MODE					
						HI SPEED	18.	.01	497.	31.0 DYNO HP	
						LO SPEED	31.	.01	224.	15.0 DYNO HP	
						IDLE - D	119.	.93	51.		
						IDLE - N	141.	.93	44.		
	COMMENTS: REMOVE AIR PUMP BELT										
8	6010	1976	DODG	CHAR	400	1975 FTP	.52	6.86	831.1	1.84	10.52
						HWY FET	.09	.12	586.7	2.36	15.11
	IDLE HC,PPM/HEXANE		120.			FED 5 CY	.28	2.36	667.9	1.39	
	IDLE CO,PCT (MEAS)		.75			NY/NJ	.34	.46	922.9	1.03	
	IDLE CO,PCT (SPEC)		.50				HC, PPM	CO, PCT	NOx, PPM		
						KEY MODE					
						HI SPEED	19.	.04	454.	30.0 IND HP	
						LO SPEED	16.	.01	160.		
						IDLE	17.	.03	64.	700. RPM	
						2-SPD IDLE					
						HI IDLE	8.	.01	63.	2250. RPM	
						LO IDLE	14.	.02	39.	800. RPM	
						FED 3-MODE					
						HI SPEED	6.	.02	463.	31.0 DYNO HP	
						LO SPEED	7.	.02	287.	15.0 DYNO HP	
						IDLE - D	6.	.01	68.		
	COMMENTS: ADJUST-LEAN BEST IDLE					IDLE - N	12.	0.00	61.		

APPENDIX D

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	EMISSION RESULTS (GMS/MI) HC	CO	CO2	NOXC	FUEL ECON (MPG)
9	6010	1976	DODG	CHAR	400	1975 FTP	.40	9.31	772.4	2.61	11.24
						HWY FET	.07	.13	513.6	2.54	17.24
	IDLE HC,PPM/HEXANE 110.					FED S CY	.30	1.00	598.4	2.20	
	IDLE CO,PCT (MEAS) 1.75					NY/NJ	.40	2.24	839.1	1.90	
	IDLE CO,PCT (SPEC) .50						HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	16.	0.00	652.	30.0 IND HP	
						LO SPEED	17.	0.00	527.		
						IDLE	21.	.01	83.	700. RPM	
						2-SPD IDLE					
						HI IDLE	20.	0.00	121.	2250. RPM	
						LO IDLE	15.	0.00	54.	400. RPM	
						FED 3-MODE					
						HI SPEED	13.	0.00	633.	31.0 DYNO HP	
						LO SPEED	14.	0.00	589.	15.0 DYNO HP	
						IDLE - D	16.	0.00	99.		
						IDLE - N	10.	0.00	98.		
COMMENTS: MANIFOLD VACUUM TO VAC ADVANCE											
1	6011	1976	DODG	CORO	318	1975 FTP	.39	8.02	791.6	4.03	11.02
						HWY FET	.04	.07	608.2	3.77	14.58
	IDLE HC,PPM/HEXANE 50.					FED S CY	.23	1.48	641.5	2.60	
	IDLE CO,PCT (MEAS) 2.00					NY/NJ	.23	1.41	936.5	2.76	
	IDLE CO,PCT (SPEC) 1.00						HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	3.	0.00	927.	30.0 IND HP	
						LO SPEED	7.	0.00	471.		
						IDLE	4.	.18	101.	800. RPM	
						2-SPD IDLE					
						HI IDLE	11.	0.00	82.	2250. RPM	
						LO IDLE	14.	.14	56.	1000. RPM	
						FED 3-MODE					
						HI SPEED	7.	0.00	927.	31.0 DYNO HP	
						LO SPEED	10.	0.00	709.	15.0 DYNO HP	
						IDLE - D	8.	.09	106.		
						IDLE - N	6.	.03	92.		
COMMENTS: LIMITED CAMS, OR - EGR PLUGGED - CHOKE PLATE -.040 NO VAC TO OSAC - CARB PORT PLUGGED											

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
2	6011	1976	DODG	CORO	318	1975 FTP	.74	11.01	903.7	1.47	9.61
						HWY FET	.13	.18	698.5	1.32	12.68
	IDLE HC,PPM/HEXANE		35.			FED S CY	.43	2.01	703.8	1.11	
	IDLE CO,PCT (MEAS)		1.35			NY/NJ	.23	2.00	913.4	1.00	
	IDLE CO,PCT (SPEC)		1.00								
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	10.	.01	290.	30.0 IND HP	
						LO SPEED	15.	0.00	123.		
						IDLE	12.	.04	68.	800. RPM	
						2-SPD IDLE					
						HI IDLE	62.	.04	51.	2250. RPM	
						LO IDLE	10.	.04	50.	820. RPM	
						FED 3-MODE					
						HI SPEED	8.	0.00	262.	31.0 DYNO HP	
						LO SPEED	9.	0.00	187.	15.0 DYNO HP	
						IDLE - D	7.	.02	87.		
						IDLE - N	7.	.01	78.		
	COMMENTS: UNPLUGGED EGR										
4	6011	1976	DODG	CORO	318	1975 FTP	.56	7.54	869.5	1.74	10.05
						HWY FET	.13	.22	706.1	1.62	12.55
	IDLE HC,PPM/HEXANE		50.			FED S CY	.30	1.26	708.4	1.23	
	IDLE CO,PCT (MEAS)		2.10			NY/NJ	.17	.46	894.8	1.34	
	IDLE CO,PCT (SPEC)		1.00								
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	12.	0.00	277.	30.0 IND HP	
						LO SPEED	30.	0.00	133.		
						IDLE	17.	.05	60.	690. RPM	
						2-SPD IDLE					
						HI IDLE	73.	.03	55.	2250. RPM	
						LO IDLE	9.	.02	53.	790. RPM	
						FED 3-MODE					
						HI SPEED	6.	0.00	259.	31.0 DYNO HP	
						LO SPEED	11.	0.00	188.	15.0 DYNO HP	
						IDLE - D	10.	.02	64.		
						IDLE - N	6.	0.00	95.		
	COMMENTS: MAJOR TUNE-UP - REPL RAD CAP - ADJ CHOKE, ICO										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
1	6012	1976	DODG	CHAR	360	1975 FTP	.90	4.94	845.1	1.45	10.37
						HWY FET	.23	.58	576.8	1.50	15.33
	IDLE HC,PPM/HEXANE 125.					FED S CY	2.01	1.35	698.2	1.16	
	IDLE CO,PCT (MEAS) 2.50					NY/NJ	1.75	.58	930.0	1.04	
	IDLE CO,PCT (SPEC) 2.00										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	25.	.08	252.	30.0 IND HP	
						LO SPEED	128.	.01	279.		
						IDLE	48.	.06	38.	675. RPM	
						2-SPD IDLE					
						HI IDLE	324.	0.00	87.	2250. RPM	
						LO IDLE	119.	0.00	91.	800. RPM	
						FED 3-MODE					
						HI SPEED	9.	.04	242.	31.0 DYNO HP	
						LO SPEED	48.	.02	158.	15.0 DYNO HP	
						IDLE - D	34.	.04	39.		
						IDLE - N	49.	.02	37.		
COMMENTS: LIMITER CAPS MISSING - EGR AMP MALADJ - CHOKE SETTING -.028											
2	6012	1976	DODG	CHAR	360	1975 FTP	.48	7.27	830.1	1.17	10.53
						HWY FET	.05	.19	553.3	1.56	16.03
	IDLE HC,PPM/HEXANE 160.					FED S CY	.25	.65	658.8	.91	
	IDLE CO,PCT (MEAS) 2.90					NY/NJ	.29	1.17	906.9	.90	
	IDLE CO,PCT (SPEC) 2.00										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	11.	.11	235.	30.0 IND HP	
						LO SPEED	13.	0.00	197.		
						IDLE	13.	.12	37.	640. RPM	
						2-SPD IDLE					
						HI IDLE	18.	0.00	73.	2250. RPM	
						LO IDLE	12.	.03	35.	780. RPM	
						FED 3-MODE					
						HI SPEED	4.	.06	341.	31.0 DYNO HP	
						LO SPEED	9.	.01	201.	15.0 DYNO HP	
						IDLE - D	8.	.09	40.		
						IDLE - N	6.	.04	36.		
COMMENTS: REPLACED EGR AMPLIFIER											

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	---- EMISSION RESULTS (GMS/MI) ---- HC	CO	CO2	NOXC	FUEL ECON (MPG)
5	6012	1976	DODG	CHAR	360	1975 FTP	1.68	14.76	726.6	4.03	11.75
						HWY FET	.31	5.44	529.3	5.34	16.45
	IDLE HC.PPM/HEXANE 550.					FED S CY	1.23	7.51	630.3	3.87	
	IDLE CO.PCT (MEAS) 3.80					NY/NJ	1.34	6.85	845.8	2.78	
	IDLE CO.PCT (SPEC) 2.00										
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	38.	.35	1341.	30.0 IND HP	
						LO SPEED	29.	0.00	999.		
						IDLE	116.	.12	84.	900. RPM	
						2-SPD IDLE					
						HI IDLE	96.	0.00	289.	2250. RPM	
						LO IDLE	139.	.02	109.	1020. RPM	
						FED 3-MODE					
						HI SPEED	20.	.16	1405.	31.0 DYNO HP	
						LO SPEED	22.	0.00	1761.	15.0 DYNO HP	
						IDLE - D	92.	.20	68.		
						IDLE - N	202.	.16	45.		

COMMENTS: PLUG EGR-REMOVE AIR PUMP BELT-TIMING +5
MANIFOLD VAC. TO VAC ADV-LEAN BEST IDLE

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
6	6012	1976	DODG	CHAR	360	1975 FTP	.36	4.94	794.4	5.59	11.05
						HWY FET	.05	.22	525.6	6.89	16.86
	IDLE HC.PPM/HEXANE 100.					FED S CY	.17	.78	656.9	4.10	
	IDLE CO.PCT (MEAS) 2.20					NY/NJ	.17	.46	916.4	3.77	
	IDLE CO.PCT (SPEC) 2.00										
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	17.	.01	1646.	30.0 IND HP	
						LO SPEED	18.	0.00	1003.		
						IDLE	10.	0.00	43.	680. RPM	
						2-SPD IDLE					
						HI IDLE	11.	0.00	188.	2250. RPM	
						LO IDLE	14.	0.00	19.	810. RPM	
						FED 3-MODE					
						HI SPEED	8.	.01	1773.	31.0 DYNO HP	
						LO SPEED	14.	0.00	1286.	15.0 DYNO HP	
						IDLE - D	4.	0.00	44.		
						IDLE - N	2.	0.00	27.		

COMMENTS: PLUG EGR

APPENDIX D

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	EMISSION RESULTS (GMS/MI) HC	CO	CO2	NOXC	FUEL ECON (MPG)
7	6012	1976	DODG	CHAR	360	1975 FTP	.54	6.85	845.5	1.35	10.34
						HWY FET	.05	.30	563.3	1.75	15.72
	IDLE HC,PPM/HEXANE 100.					FED S CY	.34	1.31	774.2	1.13	
	IDLE CO,PCT (MEAS) 3.40					NY/NJ	.29	.82	973.6	1.01	
	IDLE CO,PCT (SPEC) 2.00										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	5.	.01	307.	30.0 IND HP	
						LO SPEED	10.	0.00	221.		
						IDLE	8.	.01	41.	690. RPM	
						2-SPD IDLE					
						HI IDLE	29.	0.00	78.	2250. RPM	
						LO IDLE	8.	0.00	40.	850. RPM	
						FED 3-MODE					
						HI SPEED	5.	.01	106.	31.0 DYNO HP	
						LO SPEED	8.	0.00	53.	15.0 DYNO HP	
						IDLE - D	8.	.01	11.		
						IDLE - N	5.	0.00	10.		
	COMMENTS: LEAN BEST IDLE										
8	6012	1976	DODG	CHAR	360	1975 FTP	.47	4.09	803.0	1.74	10.94
						HWY FET	.06	.24	529.9	2.11	16.72
	IDLE HC,PPM/HEXANE 125.					FED S CY	.43	1.48	622.1	1.27	
	IDLE CO,PCT (MEAS) 1.75					NY/NJ	.46	.82	851.2	1.07	
	IDLE CO,PCT (SPEC) 2.00										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	22.	.02	399.	30.0 IND HP	
						LO SPEED	28.	0.00	266.		
						IDLE	20.	0.00	42.	680. RPM	
						2-SPD IDLE					
						HI IDLE	64.	0.00	90.	2250. RPM	
						LO IDLE	22.	0.00	46.	820. RPM	
						FED 3-MODE					
						HI SPEED	6.	0.00	510.	31.0 DYNO HP	
						LO SPEED	8.	0.00	279.	15.0 DYNO HP	
						IDLE - D	7.	0.00	47.		
						IDLE - N	5.	0.00	44.		
	COMMENTS: TIMING +5										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
9	6012	1976	DODG	CHAR	360	1975 FTP	2.90	78.17	753.7	.85	10.02
						HWY FET	.99	28.77	529.7	.84	15.34
	IDLE HC.PPM/HEXANE 120.					FED S CY	2.44	14.47	747.8	.42	
	IDLE CO.PCT (MEAS) 2.75					NY/NJ	12.11	30.25	922.9	.69	
	IDLE CO.PCT (SPEC) 2.00										
							HC. PPM	CO. PCT	NOX. PPM		
						KEY MODE					
						HI SPEED	9.	1.28	118.	30.0 IND HP	
						LO SPEED	24.	0.00	113.		
						IDLE	58.	5.08	42.	650. RPM	
						2-SPD IDLE					
						HI IDLE	147.	0.00	53.	2250. RPM	
						LO IDLE	140.	2.94	33.	750. RPM	
						FED 3-MODE					
						HI SPEED	22.	1.09	117.	31.0 DYNO HP	
						LO SPEED	26.	0.00	95.	15.0 DYNO HP	
						IDLE - D	69.	5.51	34.		
						IDLE - N	63.	4.90	34.		
	COMMENTS: REMOVE AIR PUMP BELT										
0	6012	1976	DODG	CHAR	360	1975 FTP	.56	5.27	796.6	1.50	11.00
						HWY FET	.06	.30	537.6	1.74	16.47
	IDLE HC.PPM/HEXANE 100.					FED S CY	.30	.74	656.7	1.37	
	IDLE CO.PCT (MEAS) 2.40					NY/NJ	.40	1.29	846.0	1.39	
	IDLE CO.PCT (SPEC) 2.00										
							HC. PPM	CO. PCT	NOX. PPM		
						KEY MODE					
						HI SPEED	21.	.01	365.	30.0 IND HP	
						LO SPEED	26.	0.00	268.		
						IDLE	23.	0.00	65.	835. RPM	
						2-SPD IDLE					
						HI IDLE	53.	0.00	63.	2250. RPM	
						LO IDLE	28.	0.00	56.	1175. RPM	
						FED 3-MODE					
						HI SPEED	13.	.01	410.	31.0 DYNO HP	
						LO SPEED	19.	0.00	211.	15.0 DYNO HP	
						IDLE - D	15.	0.00	69.		
	COMMENTS: MANIFOLD VAC TO VAC ADVANCE					IDLE - N	14.	0.00	66.		

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
1	6013	1976	DODG	MONA	440	1975 FTP	.88	19.20	963.4	1.81	8.91
						HWY FET	.03	.16	659.7	2.05	13.44
	IDLE HC,PPM/HEXANE				99.	FED S CY	.19	2.05	751.5	2.57	
	IDLE CO,PCT (MEAS)				3.20	NY/NJ	.29	1.06	1017.1	1.56	
	IDLE CO,PCT (SPEC)				.30						
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	6.	.03	252.	30.0 IND HP	
						LO SPEED	9.	.03	334.		
						IDLE	15.	.20	42.	620. RPM	
						2-SPD IDLE					
						HI IDLE	9.	.01	168.	2250. RPM	
						LO IDLE	13.	.07	42.	780. RPM	
						FED 3-MODE					
						HI SPEED	2.	.01	214.	36.0 DYNO HP	
						LO SPEED	8.	.03	997.	18.0 DYNO HP	
						IDLE - D	7.	.04	54.		
						IDLE - N	4.	0.00	40.		
COMMENTS: LIMITER CAPS MISSING - EGR AMP MALADJ											
NON OEM/WRONG HEAT RG PLUGS - PLUGS FOULED											
2	6013	1976	DODG	MONA	440	1975 FTP	1.09	19.47	1029.5	1.17	8.35
						HWY FET	.06	.23	695.6	1.28	12.74
	IDLE HC,PPM/HEXANE				100.	FED S CY	.36	3.19	826.4	.54	
	IDLE CO,PCT (MEAS)				.30	NY/NJ	.46	1.53	1172.8	.63	
	IDLE CO,PCT (SPEC)				3.00						
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	14.	0.00	257.	30.0 IND HP	
						LO SPEED	27.	0.00	79.		
						IDLE	23.	.07	43.	610. RPM	
						2-SPD IDLE					
						HI IDLE	16.	0.00	54.	2250. RPM	
						LO IDLE	14.	0.00	41.	790. RPM	
						FED 3-MODE					
						HI SPEED	4.	0.00	246.	36.0 DYNO HP	
						LO SPEED	10.	0.00	118.	18.0 DYNO HP	
						IDLE - D	12.	.03	45.		
						IDLE - N	5.	0.00	44.		
COMMENTS: INSTALL CORRECT SPARK PLUGS - REPLACE EGR AMPLIFIER											

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	EMISSION RESULTS (GMS/MI) HC	CO	CO2	NOXC	FUEL ECON (MPG)
3	6013	1976	DODG	MONA	440	1975 FTP	1.05	19.44	1045.8	1.31	8.22
						HWY FET	.05	.31	729.2	1.47	12.15
	IDLE HC.PPM/HEXANE		100.			FED S CY	.23	1.04	865.2	.71	
	IDLE CO.PCT (MEAS)		.40			NY/NJ	.34	.58	1088.5	.64	
	IDLE CO.PCT (SPEC)		.30								
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	10.	.01	232.	30.0 IND HP	
						LO SPEED	16.	.01	74.		
						IDLE	12.	0.00	70.	620. RPM	
						2-SPD IDLE					
						HI IDLE	19.	0.00	61.	2250. RPM	
						LO IDLE	20.	0.00	44.	750. RPM	
						FED 3-MODE					
						HI SPEED	13.	.01	268.	36.0 DYNO HP	
						LO SPEED	15.	0.00	128.	18.0 DYNO HP	
						IDLE - D	17.	0.00	60.		
						IDLE - N	18.	0.00	77.		
	COMMENTS: ADJUST ICO										
4	6013	1976	DODG	MONA	440	1975 FTP	.71	15.42	1000.5	1.24	8.64
						HWY FET	.04	.26	669.8	1.28	13.23
	IDLE HC.PPM/HEXANE		80.			FED S CY	.22	2.08	809.7	.68	
	IDLE CO.PCT (MEAS)		.50			NY/NJ	.32	.37	1081.7	.77	
	IDLE CO.PCT (SPEC)		.30								
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	5.	0.00	262.	30.0 IND HP	
						LO SPEED	7.	0.00	87.		
						IDLE	6.	0.00	88.	630. RPM	
						2-SPD IDLE					
						HI IDLE	7.	0.00	59.	2250. RPM	
						LO IDLE	6.	0.00	47.	750. RPM	
						FED 3-MODE					
						HI SPEED	8.	0.00	289.	36.0 DYNO HP	
						LO SPEED	7.	0.00	138.	18.0 DYNO HP	
						IDLE - D	7.	0.00	74.		
						IDLE - N	7.	0.00	80.		
	COMMENTS: MAJOR TUNE-UP - REPLACE SPARK PLUGS - REPLACE AIR FILTER REPLACE RADIATOR CAP - REPLACE AIR PREHEAT TUBE										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL CID	TEST TYPE	---- EMISSION RESULTS (GMS/MI) ---- HC	CO	CO2	NOXC	FUEL ECON (MPG)
A	6013	1976	DODG	MO:A 440	1975 FTP	.97	5.54	1044.0	1.69	8.41
					HWY FET	.08	.11	691.0	1.70	12.82
	IDLE HC,PPM/HEXANE		75.		FED S CY	.64	.39	917.8	1.05	
	IDLE CO,PCT (MEAS)		.30		NY/NJ	1.22	.23	1179.9	.87	
	IDLE CO,PCT (SPEC)		.30							
						HC,	CO,	NOX,		
					KEY MODE	PPM	PCT	PPM		
					HI SPEED	6.	0.00	276.	30.0 IND HP	
					LO SPEED	20.	0.00	88.		
					IDLE	8.	0.00	62.	640. RPM	
					2-SPD IDLE					
					HI IDLE	121.	0.00	81.	2250. RPM	
					LO IDLE	21.	0.00	46.	750. RPM	
					FED 3-MODE					
					HI SPEED	9.	0.00	359.	36.0 DYNO HP	
					LO SPEED	10.	0.00	171.	18.0 DYNO HP	
					IDLE - D	9.	0.00	83.		
					IDLE - N	10.	0.00	84.		
COMMENTS: REPL CARB AND CHOKE ASSY - ADJ IRPM AND ICO										
I	6014	1976	PLYM	VOLA 225	1975 FTP	.55	8.36	515.6	4.16	16.73
					HWY FET	.06	.09	376.7	5.97	23.53
	IDLE HC,PPM/HEXANE		75.		FED S CY	.25	1.31	418.6	3.61	
	IDLE CO,PCT (MEAS)		2.20		NY/NJ	.17	1.53	316.9	1.80	
	IDLE CO,PCT (SPEC)		1.00							
						HC,	CO,	NOX,		
					KEY MODE	PPM	PCT	PPM		
					HI SPEED	26.	.01	2332.	24.0 IND HP	
					LO SPEED	20.	.01	1106.		
					IDLE	8.	0.00	85.	835. RPM	
					2-SPD IDLE					
					HI IDLE	10.	0.00	311.	2250. RPM	
					LO IDLE	6.	0.00	53.	890. RPM	
					FED 3-MODE					
					HI SPEED	22.	.01	2332.	26.0 DYNO HP	
					LO SPEED	26.	0.00	2332.	12.0 DYNO HP	
					IDLE - D	5.	0.00	108.		
					IDLE - N	5.	0.00	86.		
COMMENTS: LIMITER CAP PULLED AWAY - FOR PLUGGED										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	EMISSION RESULTS (GMS/MI) HC	CO	CO2	NOXC	FUEL ECON (MPG)
2	6014	1976	PLYM	VOLA	225	1975 FTP	.60	9.46	542.4	1.52	15.87
						HWY FET	.07	.34	411.9	2.29	21.51
	IDLE HC,PPM/HEXANE 50.					FED S CY	.36	1.44	447.0	1.23	
	IDLE CO,PCT (MEAS) 2.10					NY/NJ	1.05	9.80	750.2	2.44	
	IDLE CO,PCT (SPEC) 1.00										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	19.	.01	962.	24.0 IND HP	
						LO SPEED	12.	.01	239.		
						IDLE	6.	.02	74.	830. RPM	
						2-SPD IDLE					
						HI IDLE	16.	.01	102.	2250. RPM	
						LO IDLE	6.	.01	65.	830. RPM	
						FED 3-MODE					
						HI SPEED	17.	.01	972.	26.0 DYNO HP	
						LO SPEED	18.	0.00	638.	12.0 DYNO HP	
						IDLE - D	7.	0.00	66.		
	COMMENTS: UNPLUGGED EGR					IDLE - N	8.	0.00	64.		
3	6014	1976	PLYM	VOLA	225	1975 FTP	.59	8.64	544.1	1.64	15.86
						HWY FET	.07	.24	393.5	2.07	22.52
	IDLE HC,PPM/HEXANE 70.					FED S CY	.36	1.00	424.6	1.00	
	IDLE CO,PCT (MEAS) .80					NY/NJ	.75	11.22	589.3	1.02	
	IDLE CO,PCT (SPEC) 1.00										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	15.	0.00	971.	24.0 IND HP	
						LO SPEED	8.	0.00	243.		
						IDLE	1.	0.00	80.	810. RPM	
						2-SPD IDLE					
						HI IDLE	19.	0.00	89.	2250. RPM	
						LO IDLE	1.	0.00	68.	805. RPM	
						FED 3-MODE					
						HI SPEED	10.	0.00	884.	26.0 DYNO HP	
						LO SPEED	12.	0.00	648.	12.0 DYNO HP	
						IDLE - D	3.	0.00	77.		
	COMMENTS: ONLY IDLE CO ADJUSTED					IDLE - N	3.	0.00	74.		

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	---- EMISSION RESULTS (GMS/MI) ---- HC	CO	CO2	NOxC	FUEL ECON (MPG)
1	6015	1976	PLYM	VALI	225	1975 FTP	.50	8.03	616.0	1.02	14.08
						HWY FET	.07	.32	509.6	1.06	17.38
	IDLE HC,PPM/HEXANE 140.					FED S CY	.32	1.00	476.6	.76	
	IDLE CO,PCT (MEAS) 3.70					NY/NJ	.11	1.67	282.1	.28	
	IDLE CO,PCT (SPEC) 1.00										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	0.	.02	279.	24.0 IND HP	
						LO SPEED	4.	0.00	205.		
						IDLE	3.	.01	72.	615. RPM	
						2-SPD IDLE					
						HI IDLE	68.	.01	54.	2250. RPM	
						LO IDLE	8.	.02	47.	750. RPM	
						FED 3-MODE					
						HI SPEED	2.	.02	321.	26.0 DYNO HP	
						LO SPEED	9.	.01	218.	12.0 DYNO HP	
						IDLE - D	7.	.02	69.		
						IDLE - N	4.	.01	52.		
	COMMENTS: LIMITER CAP BROKEN - OSAC TO SEC										
	HIGH SEC. RESISTANCE BEFORE TEST-GONE AFTER TEST.										
1	6016	1976	PLYM	VOLA	225	1975 FTP	.55	9.90	627.0	2.04	13.77
						HWY FET	.06	.48	472.1	3.46	18.76
	IDLE HC,PPM/HEXANE 110.					FED S CY	.34	2.05	493.1	1.70	
	IDLE CO,PCT (MEAS) 3.40					NY/NJ	.29	3.07	487.6	1.33	
	IDLE CO,PCT (SPEC) 1.00										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	7.	0.00	972.	24.0 IND HP	
						LO SPEED	9.	0.00	765.		
						IDLE	8.	0.00	88.	800. RPM	
						2-SPD IDLE					
						HI IDLE	20.	0.00	141.	2250. RPM	
						LO IDLE	9.	.02	56.	850. RPM	
						FED 3-MODE					
						HI SPEED	5.	0.00	1051.	31.0 DYNO HP	
						LO SPEED	8.	0.00	445.	15.0 DYNO HP	
						IDLE - D	7.	0.00	82.		
						IDLE - N	6.	0.00	62.		
	COMMENTS: LIMITER CAP MISSING - FLECT CHART IN OHMS - OSAC 40 SEC										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
3	6016	1976	PLYM	VOLA	225	1975 FTP	.42	6.66	573.3	1.87	15.17
						HWY FET	.08	.54	459.8	3.38	19.23
	IDLE HC,PPM/HEXANE 95.					FED S CY	.21	2.49	453.4	1.65	
	IDLE CO,PCT (MEAS) 1.15					NY/NJ	.17	.23	597.1	1.35	
	IDLE CO,PCT (SPEC) 1.00						HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	15.	.02	972.	24.0 IND HP	
						LO SPEED	14.	0.00	340.		
						IDLE	30.	0.00	190.	720. RPM	
						2-SPD IDLE					
						HI IDLE	40.	0.00	156.	2250. RPM	
						LO IDLE	7.	0.00	87.	825. RPM	
						FED 3-MODE					
						HI SPEED	6.	.02	972.	31.0 DYNO HP	
						LO SPEED	12.	0.00	774.	15.0 DYNO HP	
						IDLE - D	5.	0.00	186.		
						IDLE - N	3.	0.00	95.		
	COMMENTS: IDLE CO AND RPM WERE ADJUSTED										
1	6017	1976	PLYM	VOLA	225	1975 FTP	.55	5.86	642.1	1.82	13.59
						HWY FET	.06	.20	488.9	2.49	18.12
	IDLE HC,PPM/HEXANE 120.					FED S CY	.19	.87	531.0	.97	
	IDLE CO,PCT (MEAS) 3.90					NY/NJ	.40	1.17	470.6	1.21	
	IDLE CO,PCT (SPEC) 1.00						HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	8.	.02	825.	24.0 IND HP	
						LO SPEED	9.	0.00	155.		
						IDLE	10.	.02	94.	620. RPM	
						2-SPD IDLE					
						HI IDLE	55.	.01	107.	2250. RPM	
						LO IDLE	10.	.02	58.	730. RPM	
						FED 3-MODE					
						HI SPEED	2.	.02	846.	31.0 DYNO HP	
						LO SPEED	6.	.01	422.	15.0 DYNO HP	
						IDLE - D	4.	.01	104.		
						IDLE - N	2.	.01	67.		
	COMMENTS: CAP OK										

APPENDIX D

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	EMISSION RESULTS (GMS/MI) HC	CO	CO2	NOXC	FUEL ECON (MPG)
1	6018	1976	PLYM	VOLA	225	1975 FTP	.41	5.41	550.3	5.55	15.85
						HWY FET	.06	.20	431.9	8.68	20.49
	IDLE HC,PPM/HEXANE			160.		FED S CY	.36	1.52	444.1	5.52	
	IDLE CO,PCT (MEAS)			5.70		NY/NJ	.05	.70	351.6	2.67	
	IDLE CO,PCT (SPEC)			1.00							
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	30.	.02	2332.	24.0 IND HP	
						LO SPEED	21.	0.00	1195.		
						IDLE	35.	.25	103.	670. RPM	
						2-SPD IDLE					
						HI IDLE	13.	.01	570.	2250. RPM	
						LO IDLE	9.	.13	66.	580. RPM	
						FED 3-MODE					
						HI SPEED	22.	.04	2332.	26.0 DYNO HP	
						LO SPEED	29.	.02	2332.	12.0 DYNO HP	
						IDLE - D	12.	.19	143.		
						IDLE - N	9.	.08	89.		
COMMENTS: LIMITER CAP BROKEN - EGR PLUGGED - OSAC 70 SEC - NO EGR DELAY											
2	6018	1976	PLYM	VOLA	225	1975 FTP	.47	5.89	598.7	1.40	14.56
						HWY FET	.09	.18	450.3	1.85	19.69
	IDLE HC,PPM/HEXANE			200.		FED S CY	.36	1.92	456.3	.93	
	IDLE CO,PCT (MEAS)			6.90		NY/NJ	.23	1.17	644.3	.77	
	IDLE CO,PCT (SPEC)			1.00							
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	12.	.02	416.	24.0 IND HP	
						LO SPEED	16.	.02	134.		
						IDLE	15.	.30	63.	640. RPM	
						2-SPD IDLE					
						HI IDLE	44.	.03	78.	2250. RPM	
						LO IDLE	7.	.14	44.	640. RPM	
						FED 3-MODE					
						HI SPEED	6.	.02	676.	26.0 DYNO HP	
						LO SPEED	10.	0.00	264.	12.0 DYNO HP	
						IDLE - D	8.	.12	62.		
						IDLE - N	4.	.05	49.		
COMMENTS: B6 REMOVED FROM EGR											

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
1	6019	1976	PLYM	VALI	225	1975 FTP	.43	3.13	564.2	1.36	15.56
						HWY FET	.09	.10	427.9	2.11	20.70
	IDLE HC.PPM/HEXANE				50.	FED S CY	.38	.34	473.7	.79	
	IDLE CO.PCT (MEAS)				.14	NY/NJ	.36	.23	172.7	.30	
	IDLE CO.PCT (SPEC)				1.00						
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	9.	.01	498.	24.0 IND HP	
						LO SPEED	10.	0.00	276.		
						IDLE	7.	.01	177.	650. RPM	
						2-SPD IDLE					
						HI IDLE	88.	.01	48.	2250. RPM	
						LO IDLE	10.	.01	72.	800. RPM	
						FED 3-MODE					
						HI SPEED	7.	0.00	710.	26.0 DYNO HP	
						LO SPEED	15.	0.00	434.	12.0 DYNO HP	
						IDLE - D	8.	0.00	148.		
						IDLE - N	4.	0.00	71.		
	COMMENTS: LIMITER CAP MISSING - OSAC 60. SEC - NO EGR DELAY										
1	6020	1976	PLYM	VOLA	318	1975 FTP	1.44	102.57	721.5	2.02	10.00
						HWY FET	.05	.43	530.8	4.20	16.69
	IDLE HC.PPM/HEXANE				100.	FED S CY	.17	.87	587.2	1.90	
	IDLE CO.PCT (MEAS)				3.90	NY/NJ	.23	.58	810.6	1.97	
	IDLE CO.PCT (SPEC)				1.00						
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	16.	.08	972.	24.0 IND HP	
						LO SPEED	8.	.01	420.		
						IDLE	90.	3.99	53.	750. RPM	
						2-SPD IDLE					
						HI IDLE	8.	0.00	228.	2250. RPM	
						LO IDLE	5.	0.00	17.	800. RPM	
						FED 3-MODE					
						HI SPEED	7.	.03	1385.	31.0 DYNO HP	
						LO SPEED	16.	.01	1602.	15.0 DYNO HP	
						IDLE - D	9.	.01	81.		
						IDLE - N	8.	0.00	54.		
	COMMENTS: LIMITER CAPS MISSING - CHOKE WIRE DISCON - EGR CRUSHED CHOKE SET -.055										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
						---- EMISSION RESULTS (GMS/MI) ----				
2	6020	1976	PLYM	VOLA 318	1975 FTP	1.04	46.03	791.2	.98	10.24
					HWY FET	.04	1.10	564.9	1.46	15.65
					FED S CY	.17	.26	674.5	1.45	
					NY/NJ	.23	3.42	811.6	1.02	
	IDLE HC,PPM/HEXANE		65.							
	IDLE CO,PCT (MEAS)		2.60							
	IDLE CO,PCT (SPEC)		1.00							
						HC, PPM	CO, PCT	NOX, PPM		
					KEY MODE					
					HI SPEED	12.	.21	97.	24.0 IND HP	
					LO SPEED	24.	.02	36.		
					IDLE	37.	.06	50.	650. RPM	
					2-SPD IDLE					
					HI IDLE	7.	0.00	99.	2250. RPM	
					LO IDLE	12.	.04	113.	750. RPM	
					FED 3-MODE					
					HI SPEED	4.	1.15	70.	31.0 DYNO HP	
					LO SPEED	14.	.02	639.	15.0 DYNO HP	
					IDLE - D	16.	.01	53.		
					IDLE - N	15.	.01	42.		
	COMMENTS: CHOKE WIRE CONNECTED				EGR REPLACED					
3	6020	1976	PLYM	VOLA 318	1975 FTP	.88	16.24	782.7	1.09	10.94
					HWY FET	.08	.97	572.7	1.59	15.43
					FED S CY	.25	1.13	583.6	1.47	
					NY/NJ	.17	.58	860.6	1.04	
	IDLE HC,PPM/HEXANE		50.							
	IDLE CO,PCT (MEAS)		1.75							
	IDLE CO,PCT (SPEC)		1.00							
						HC, PPM	CO, PCT	NOX, PPM		
					KEY MODE					
					HI SPEED	7.	.04	300.	24.0 IND HP	
					LO SPEED	19.	0.00	749.		
					IDLE	9.	0.00	69.	700. RPM	
					2-SPD IDLE					
					HI IDLE	18.	.01	490.	2250. RPM	
					LO IDLE	10.	.02	208.	825. RPM	
					FED 3-MODE					
					HI SPEED	7.	.26	38.	31.0 DYNO HP	
					LO SPEED	20.	0.00	445.	15.0 DYNO HP	
					IDLE - D	10.	.01	43.		
					IDLE - N	8.	0.00	35.		
	COMMENTS: ADJUSTED IHPM AND ICO									

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	EMISSION RESULTS (GMS/MI) HC	CO	CO2	NOXC	FUEL ECON (MPG)
4	6020	1976	PLYM	VOLA	318	1975 FTP	.65	16.76	799.5	1.09	10.72
						HWY FET	.06	1.04	576.4	1.58	15.34
	IDLE HC,PPM/HEXANE 60.					FED S CY	.15	.30	605.0	1.34	
	IDLE CO,PCT (MEAS) 1.30					NY/NJ	.11	.11	873.8	1.06	
	IDLE CO,PCT (SPEC) 1.00						HC, PPM	CO, PCT	NOX, PPM		
						KEY MODE					
						HI SPEED	12.	.06	99.	24.0 IND HP	
						LO SPEED	13.	.02	47.		
						IDLE	17.	.02	85.	725. RPM	
						2-SPD IDLE					
						HI IDLE	12.	.01	106.	2250. RPM	
						LO IDLE	13.	.03	68.	850. RPM	
						FED 3-MODE					
						HI SPEED	2.	.40	77.	31.0 DYNO HP	
						LO SPEED	16.	0.00	972.	15.0 DYNO HP	
						IDLE - D	6.	0.00	111.		
						IDLE - N	5.	0.00	101.		
COMMENTS: MAJOR TUNE-UP - REPL RAD CAP, AIR FILTER - ADJ CHOKE, ICO											
6	6020	1976	PLYM	VOLA	318	1975 FTP	.41	9.00	718.3	2.19	12.10
						HWY FET	.04	.48	564.7	3.94	15.67
	IDLE HC,PPM/HEXANE 85.					FED S CY	.12	.56	574.8	1.93	
	IDLE CO,PCT (MEAS) 3.20					NY/NJ	.17	.35	800.6	1.55	
	IDLE CO,PCT (SPEC) 1.00						HC, PPM	CO, PCT	NOX, PPM		
						KEY MODE					
						HI SPEED	20.	.08	972.	24.0 IND HP	
						LO SPEED	10.	.01	377.		
						IDLE	13.	.04	69.	660. RPM	
						2-SPD IDLE					
						HI IDLE	7.	0.00	168.	2250. RPM	
						LO IDLE	8.	.03	50.	800. RPM	
						FED 3-MODE					
						HI SPEED	4.	.02	1051.	31.0 DYNO HP	
						LO SPEED	13.	.02	1827.	15.0 DYNO HP	
						IDLE - D	6.	0.00	75.		
						IDLE - N	6.	.01	76.		
COMMENTS: ORIGINAL TEST 2 EGR CRUSHED BUT OPERATIVE - SLOW MOVEMENT											

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	---- EMISSION RESULTS (GMS/MI) ---- HC	CO	CO2	NOXC	FUEL ECON (MPG)
7	6020	1976	PLYM	VOLA	318	1975 FTP	.35	7.55	722.3	2.51	12.07
						HWY FET	.04	.39	523.3	3.84	16.92
	IDLE HC,PPM/HEXANE		70.			FED S CY	.12	.26	604.4	2.92	
	IDLE CO,PCT (MEAS)		1.35			NY/NJ	.17	.23	814.7	1.92	
	IDLE CO,PCT (SPEC)		1.00								
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	7.	.04	1516.	24.0 IND HP	
						LO SPEED	6.	.01	341.		
						IDLE	6.	.02	94.	700. RPM	
						2-SPD IDLE					
						HI IDLE	5.	.01	110.	2250. RPM	
						LO IDLE	5.	.01	53.	835. RPM	
						FED 3-MODE					
						HI SPEED	4.	.05	763.	31.0 DYNO HP	
						LO SPEED	9.	.03	760.	15.0 DYNO HP	
						IDLE - D	6.	.02	93.		
						IDLE - N	7.	.02	89.		
COMMENTS: ORIGINAL TEST 3 - SAME AS TEST 2 WITH ICO ADJUSTED											
A	6020	1976	PLYM	VOLA	318	1975 FTP	.41	7.08	866.8	1.25	10.09
						HWY FET	.36	.74	723.1	1.33	12.22
	IDLE HC,PPM/HEXANE		50.			FED S CY	.41	1.70	608.7	1.39	
	IDLE CO,PCT (MEAS)		1.10			NY/NJ	.34	.46	926.1	.81	
	IDLE CO,PCT (SPEC)		1.00								
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	4.	.01	132.	24.0 IND HP	
						LO SPEED	6.	0.00	111.		
						IDLE	6.	.01	48.	680. RPM	
						2-SPD IDLE					
						HI IDLE	38.	0.00	56.	2250. RPM	
						LO IDLE	5.	0.00	45.	790. RPM	
						FED 3-MODE					
						HI SPEED	8.	.01	187.	31.0 DYNO HP	
						LO SPEED	11.	0.00	146.	15.0 DYNO HP	
						IDLE - D	10.	.02	71.		
						IDLE - N	9.	0.00	70.		
COMMENTS: INSTALL NEW CARB - ADJ IRPM AND ICO											

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
1	6021	1976	PLYM	VOLA	318	1975 FTP	.55	6.37	680.3	2.19	12.82
						HWY FET	.08	.26	518.2	2.24	17.09
	IDLE HC,PPM/HEXANE 120.					FED S CY	.36	.48	534.0	3.72	
	IDLE CO,PCT (MEAS) 4.20					NY/NJ	.29	.35	769.9	3.04	
	IDLE CO,PCT (SPEC) 1.00										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	8.	.20	358.	24.0 IND HP	
						LO SPEED	19.	.01	972.		
						IDLE	11.	.01	78.	610. RPM	
						2-SPD IDLE					
						HI IDLE	16.	0.00	648.	2250. RPM	
						LO IDLE	10.	.02	167.	560. RPM	
						FED 3-MODE					
						HI SPEED	3.	.08	189.	31.0 DYNO HP	
						LO SPEED	13.	0.00	972.	15.0 DYNO HP	
						IDLE - D	6.	.01	106.		
						IDLE - N	5.	.01	81.		
	COMMENTS: LIMITER CAPS MISSING - TIMING +5 - OSAC 35 SEC										
2	6021	1976	PLYM	VOLA	318	1975 FTP	.39	5.72	667.4	1.75	13.10
						HWY FET	.05	.43	502.7	1.68	17.61
	IDLE HC,PPM/HEXANE 150.					FED S CY	.30	.74	511.1	2.78	
	IDLE CO,PCT (MEAS) 5.00					NY/NJ	.23	.23	699.7	2.50	
	IDLE CO,PCT (SPEC) 1.00										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	12.	.08	520.	24.0 IND HP	
						LO SPEED	18.	.01	972.		
						IDLE	12.	.04	59.	570. RPM	
						2-SPD IDLE					
						HI IDLE	9.	0.00	115.	2250. RPM	
						LO IDLE	31.	.75	200.	550. RPM	
						FED 3-MODE					
						HI SPEED	4.	.10	128.	31.0 DYNO HP	
						LO SPEED	18.	0.00	972.	15.0 DYNO HP	
						IDLE - D	10.	0.00	85.		
						IDLE - N	7.	0.00	77.		
	COMMENTS: ADJ TIMING										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
						---- EMISSION RESULTS (GMS/MI) ----				
1	6022	1976	PLYM	VOLA 225	1975 FTP	.56	4.71	559.3	1.40	15.61
					HWY FET	.14	.10	441.4	1.73	20.08
	IDLE HC,PPM/HEXANE 200.				FED S CY	.41	.83	444.5	.81	
	IDLE CO,PCT (MEAS) 5.50				NY/NJ	.40	.35	549.5	.80	
	IDLE CO,PCT (SPEC) 1.00									
						HC,	CO,	NOX,		
					KEY MODE	PPM	PCT	PPM		
					HI SPEED	15.	.01	520.	24.0 IND HP	
					LO SPEED	20.	0.00	143.		
					IDLE	17.	.04	42.	600. RPM	
					2-SPD IDLE					
					HI IDLE	78.	0.00	95.	2250. RPM	
					LO IDLE	9.	.01	37.	750. RPM	
					FED 3-MODE					
					HI SPEED	10.	0.00	481.	26.0 DYNO HP	
					LO SPEED	14.	.01	219.	12.0 DYNO HP	
					IDLE - D	14.	.01	42.		
					IDLE - N	9.	0.00	43.		
	COMMENTS: LIMITER CAP MISSING - OSAC 60+ SEC									
1	6023	1976	PLYM	FURY 318	1975 FTP	.45	7.29	809.2	1.46	10.80
					HWY FET	.06	.61	610.3	1.88	14.50
	IDLE HC,PPM/HEXANE 60.				FED S CY	.23	1.83	588.0	2.54	
	IDLE CO,PCT (MEAS) 1.35				NY/NJ	.23	.23	751.4	1.24	
	IDLE CO,PCT (SPEC) 1.00									
						HC,	CO,	NOX,		
					KEY MODE	PPM	PCT	PPM		
					HI SPEED	3.	.04	324.	30.0 IND HP	
					LO SPEED	5.	.01	230.		
					IDLE	5.	.01	108.	650. RPM	
					2-SPD IDLE					
					HI IDLE	13.	.02	77.	2250. RPM	
					LO IDLE	8.	.01	99.	750. RPM	
					FED 3-MODE					
					HI SPEED	3.	.03	296.	31.0 DYNO HP	
					LO SPEED	11.	.01	769.	15.0 DYNO HP	
					IDLE - D	5.	.01	104.		
					IDLE - N	5.	.01	123.		
	COMMENTS: LIMITER CAPS OK - TIMING -3									

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	EMISSION RESULTS (GMS/MI) HC	CO	CO2	NOxC	FUEL ECON (MPG)
2	6023	1976	PLYM	FURY	318	1975 FTP	.53	6.03	760.6	1.59	11.50
						HWY FET	.09	.47	567.9	2.09	15.59
	IDLE HC,PPM/HEXANE 35.					FED S CY	.32	1.70	561.8	2.25	
	IDLE CO,PCT (MEAS) .60					NY/NJ	.46	.58	784.4	1.26	
	IDLE CO,PCT (SPEC) 1.00										
							HC, PPM	CO, PCT	NOX, PPM		
						KEY MODE					
						HI SPEED	16.	.04	304.	30.0 IND HP	
						LO SPEED	19.	.01	192.		
						IDLE	15.	.01	95.	700. RPM	
						2-SPD IDLE					
						HI IDLE	23.	.01	118.	2250. RPM	
						LO IDLE	12.	.01	65.	800. RPM	
						FED 3-MODE					
						HI SPEED	8.	.03	287.	31.0 DYNO HP	
						LO SPEED	11.	.03	322.	15.0 DYNO HP	
						IDLE - D	8.	0.00	111.		
						IDLE - N	7.	.01	119.		
	COMMENTS: ADJ TIMING										
5	6023	1976	PLYM	FURY	318	1975 FTP	.52	5.21	705.0	6.65	12.42
						HWY FET	.12	.03	520.	8.18	17.01
	IDLE HC,PPM/HEXANE 60.					FED S CY	.30	1.09	619.4	4.87	
	IDLE CO,PCT (MEAS) 2.80					NY/NJ	.29	.46	804.9	4.66	
	IDLE CO,PCT (SPEC) 1.00										
							HC, PPM	CO, PCT	NOX, PPM		
						KEY MODE					
						HI SPEED	28.	0.00	2309.	30.0 IND HP	
						LO SPEED	23.	0.00	357.		
						IDLE	16.	0.00	100.	725. RPM	
						2-SPD IDLE					
						HI IDLE	9.	.02	221.	2250. RPM	
						LO IDLE	11.	.05	52.	1000. RPM	
						FED 3-MODE					
						HI SPEED	24.	0.00	2309.	31.0 DYNO HP	
						LO SPEED	25.	0.00	1748.	15.0 DYNO HP	
						IDLE - D	12.	.04	155.		
						IDLE - N	10.	.02	120.		
	COMMENTS: DISABLE EGR - DISCON ELECT CHOKE - BY-PASS OSAC - LEAN BEST IDLE										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
6	6023	1976	PLYM	FURY	318	1975 FTP	.34	2.34	731.1	4.54	12.06
						HWY FET	.09	.04	435.7	6.95	20.33
	IDLE HC,PPM/HEXANE			50.		FED S CY	.36	1.00	574.5	4.34	
	IDLE CO,PCT (MEAS)			1.35		NY/NJ	.40	2.71	768.6	2.20	
	IDLE CO,PCT (SPEC)			1.00			HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	13.	0.00	1410.	30.0 IND HP	
						LO SPEED	9.	0.00	142.		
						IDLE	7.	0.00	66.	675. RPM	
						2-SPD IDLE					
						HI IDLE	14.	0.00	131.	2250. RPM	
						LO IDLE	14.	.01	50.	800. RPM	
						FED 3-MODE					
						HI SPEED	24.	.03	2508.	31.0 DYNO HP	
						LO SPEED	26.	.02	1398.	15.0 DYNO HP	
						IDLE - D	12.	.03	125.		
						IDLE - N	10.	.02	70.		
	COMMENTS: EGR PLUGGED										
7	6023	1976	PLYM	FURY	318	1975 FTP	.58	11.33	846.3	1.57	10.25
						HWY FET	.11	.41	641.0	1.90	13.81
	IDLE HC,PPM/HEXANE			75.		FED S CY	.30	.74	638.1	2.23	
	IDLE CO,PCT (MEAS)			1.50		NY/NJ	.23	0.00	872.3	1.40	
	IDLE CO,PCT (SPEC)			1.00			HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	14.	.03	289.	30.0 IND HP	
						LO SPEED	22.	0.00	172.		
						IDLE	16.	.01	89.	850. RPM	
						2-SPD IDLE					
						HI IDLE	17.	.02	68.	2250. RPM	
						LO IDLE	10.	.01	62.	1000. RPM	
						FED 3-MODE					
						HI SPEED	8.	.02	232.	31.0 DYNO HP	
						LO SPEED	13.	.02	165.	15.0 DYNO HP	
						IDLE - D	9.	.01	113.		
						IDLE - N	9.	.01	107.		
	COMMENTS: DISCONNECT ELECT CHOKE ASSIST										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	EMISSION RESULTS (GMS/MI) HC	CO	CO2	NOXC	FUEL ECON (MPG)
8	6023	1976	PLYM	FURY	318	1975 FTP	.56	5.87	773.0	3.58	11.32
						HWY FET	.12	.32	575.1	2.54	15.38
	IDLE HC.PPM/HEXANE				45.	FED S CY	.30	1.04	593.7	4.59	
	IDLE CO.PCT (MEAS)				.90	NY/NJ	.29	.11	765.9	4.49	
	IDLE CO.PCT (SPEC)				1.00						
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	15.	0.00	255.	30.0 IND HP	
						LO SPEED	24.	0.00	882.		
						IDLE	16.	0.00	108.	700. RPM	
						2-SPD IDLE					
						HI IDLE	18.	0.00	168.	2250. RPM	
						LO IDLE	11.	0.00	65.	810. RPM	
						FED 3-MODE					
						HI SPEED	8.	0.00	261.	31.0 DYNO HP	
						LO SPEED	17.	0.00	960.	15.0 DYNO HP	
						IDLE - D	9.	0.00	126.		
						IDLE - N	8.	0.00	107.		
	COMMENTS: BY-PASS OSAC										
9	6023	1976	PLYM	FURY	318	1975 FTP	.52	5.64	831.7	1.74	10.54
						HWY FET	.07	.42	621.8	2.27	14.25
	IDLE HC.PPM/HEXANE				75.	FED S CY	.28	1.18	667.9	2.11	
	IDLE CO.PCT (MEAS)				2.80	NY/NJ	.17	.35	873.8	1.48	
	IDLE CO.PCT (SPEC)				1.00						
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	11.	.02	243.	30.0 IND HP	
						LO SPEED	19.	0.00	41.		
						IDLE	14.	.01	63.	690. RPM	
						2-SPD IDLE					
						HI IDLE	11.	0.00	90.	2250. RPM	
						LO IDLE	8.	.01	54.	800. RPM	
						FED 3-MODE					
						HI SPEED	6.	.01	220.	31.0 DYNO HP	
						LO SPEED	9.	0.00	194.	15.0 DYNO HP	
						IDLE - D	8.	0.00	69.		
						IDLE - N	6.	0.00	62.		
	COMMENTS: LEAN REST IDLE										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
1	6024	1976	PLYM	FURY	318	1975 FTP	.72	5.40	892.3	1.67	9.83
						HWY FET	.13	.31	595.6	1.79	14.86
	IDLE HC,PPM/HEXANE		300.			FED S CY	.58	.21	673.8	1.56	
	IDLE CO,PCT (MEAS)		.75			NY/NJ	1.11	.11	941.5	1.34	
	IDLE CO,PCT (SPEC)		1.00								
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	6.	.01	337.	30.0 IND HP	
						LO SPEED	8.	0.00	162.		
						IDLE	8.	0.00	148.	740. RPM	
						2-SPD IDLE					
						HI IDLE	40.	.01	375.	2250. RPM	
						LO IDLE	53.	.01	271.	840. RPM	
						FED 3-MODE					
						HI SPEED	5.	.01	324.	31.0 DYNO HP	
						LO SPEED	15.	0.00	663.	15.0 DYNO HP	
						IDLE - D	8.	0.00	167.		
						IDLE - N	29.	0.00	88.		
COMMENTS: LIMITER CAPS OK - OSAC 70 SEC - IDLE ENRICH INOP											
IDLE ENRICH AND EGR DELAY 70 SEC - HIGH FIRING VOLTAGE											
1	6025	1976	PLYM	FURY	360	1975 FTP	.77	11.88	795.1	1.47	10.87
						HWY FET	.21	1.49	528.5	1.87	16.69
	IDLE HC,PPM/HEXANE		50.			FED S CY	.64	2.66	673.9	1.26	
	IDLE CO,PCT (MEAS)		1.70			NY/NJ	.46	4.13	585.8	.85	
	IDLE CO,PCT (SPEC)		2.00								
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	5.	.25	298.	30.0 IND HP	
						LO SPEED	9.	.09	332.		
						IDLE	8.	.30	60.	550. RPM	
						2-SPD IDLE					
						HI IDLE	22.	.13	84.	2250. RPM	
						LO IDLE	12.	.17	42.	900. RPM	
						FED 3-MODE					
						HI SPEED	4.	.19	312.	31.0 DYNO HP	
						LO SPEED	10.	.12	378.	15.0 DYNO HP	
						IDLE - D	7.	.28	61.		
						IDLE - N	4.	.13	60.		
COMMENTS: LIMITER CAPS OK											

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
4	6025	1976	PLYM	FURY	360	1975 FTP	.72	10.54	765.3	1.42	11.32
						HWY FET	.22	1.25	523.5	1.82	16.86
	IDLE HC,PPM/HEXANE		60.			FED S CY	.51	2.44	618.5	1.02	
	IDLE CO,PCT (MEAS)		2.00			NY/NJ	.64	3.30	843.5	.98	
	IDLE CO,PCT (SPEC)		2.00								
						KEY MODE	HC, PPM	CO, PCT	NOX, PPM		
						HI SPEED	8.	.59	525.	30.0 IND HP	
						LO SPEED	24.	.07	356.		
						IDLE	10.	.27	80.	720. RPM	
						2-SPD IDLE					
						HI IDLE	50.	.16	62.	2250. RPM	
						LO IDLE	22.	.14	44.	850. RPM	
						FED 3-MODE					
						HI SPEED	9.	.37	592.	31.0 DYNO HP	
						LO SPEED	19.	.08	343.	15.0 DYNO HP	
						IDLE - D	10.	.28	70.		
						IDLE - N	6.	.14	69.		
	COMMENTS: MAJOR TUNE-UP AIR FILTER FAILED CO ADJUSTED										
6	6025	1976	PLYM	FURY	360	1975 FTP	.74	9.73	772.0	1.54	11.24
						HWY FET	.21	1.53	520.7	1.89	16.92
	IDLE HC,PPM/HEXANE		80.			FED S CY	.82	6.29	618.8	.84	
	IDLE CO,PCT (MEAS)		2.90			NY/NJ	.64	2.95	861.7	.83	
	IDLE CO,PCT (SPEC)		2.00								
						KEY MODE	HC, PPM	CO, PCT	NOX, PPM		
						HI SPEED	5.	.86	423.	30.0 IND HP	
						LO SPEED	31.	.06	266.		
						IDLE	7.	.20	64.	810. RPM	
						2-SPD IDLE					
						HI IDLE	43.	.20	69.	2250. RPM	
						LO IDLE	14.	.24	37.	850. RPM	
						FED 3-MODE					
						HI SPEED	6.	.43	456.	31.0 DYNO HP	
						LO SPEED	22.	.09	267.	15.0 DYNO HP	
						IDLE - D	10.	.41	62.		
						IDLE - N	7.	.18	59.		
	COMMENTS: ADJ IRPM AND ICO										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	EMISSION RESULTS (GMS/MI) HC	CO	CO2	NOXC	FUEL ECON (MPG)
A	6025	1976	PLYM	FURY	360	1975 FTP	.68	6.85	781.7	1.61	11.17
						HWY FET	.24	1.33	540.0	1.70	16.34
	IDLE HC,PPM/HEXANE		40.			FED S CY	.54	1.61	615.9	1.09	
	IDLE CO,PCT (MEAS)		.35			NY/NJ	.69	2.00	830.9	1.18	
	IDLE CO,PCT (SPEC)		2.00								
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	7.	.17	600.	30.0 IND HP	
						LO SPEED	16.	.07	416.		
						IDLE	10.	.08	76.	700. RPM	
						2-SPD IDLE					
						HI IDLE	10.	.14	90.	2250. RPM	
						LO IDLE	3.	.05	45.	820. RPM	
						FED 3-MODE					
						HI SPEED	7.	.30	314.	31.0 DYNO HP	
						LO SPEED	23.	.09	284.	15.0 DYNO HP	
						IDLE - D	12.	.12	68.		
						IDLE - N	9.	.08	66.		
COMMENTS: NEW CARB INSTALLED - ADJ IRPM AND ICO											
I	5026	1975	PLYM	FURY	400	1975 FTP	.91	9.75	902.9	1.12	9.64
						HWY FET	.05	.39	623.6	1.41	14.20
	IDLE HC,PPM/HEXANE		250.			FED S CY	.84	.26	735.3	.96	
	IDLE CO,PCT (MEAS)		2.60			NY/NJ	1.34	1.41	995.4	.86	
	IDLE CO,PCT (SPEC)		.50								
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	9.	.03	271.	30.0 IND HP	
						LO SPEED	7.	.01	135.		
						IDLE	42.	.03	35.	580. RPM	
						2-SPD IDLE					
						HI IDLE	24.	0.00	106.	2250. RPM	
						LO IDLE	61.	.01	116.	725. RPM	
						FED 3-MODE					
						HI SPEED	2.	.02	222.	31.0 DYNO HP	
						LO SPEED	6.	0.00	248.	15.0 DYNO HP	
						IDLE - D	27.	.01	43.		
						IDLE - N	47.	.01	39.		
COMMENTS: LIMITER CAPS OK - AIR CLNR. THERMO VAC HOSE DISC CAT PROTK SW DISC - ELEC CHOKE 5+ MIN - OSAC OPEN											

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	EMISSION RESULTS (GMS/MI) HC	CO	CO2	NOXC	FUEL ECON (MPG)
2	5026	1975	PLYM	FURY	400	1975 FTP	.80	11.95	928.9	1.12	9.34
						HWY FET	.29	.62	632.0	1.51	14.01
	IDLE HC.PPM/HEXANE		90.			FED S CY	.28	1.74	739.9	1.09	
	IDLE CO.PCT (MEAS)		3.30			NY/NJ	.29	.46	956.7	.84	
	IDLE CO.PCT (SPEC)		.50				HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	6.	.02	178.	30.0 IND HP	
						LO SPEED	7.	0.00	28.		
						IDLE	15.	.05	37.	550. RPM	
						2-SPD IDLE					
						HI IDLE	5.	0.00	75.	2250. RPM	
						LO IDLE	15.	.03	36.	700. RPM	
						FED 3-MODE					
						HI SPEED	5.	.01	233.	31.0 DYNO HP	
						LO SPEED	7.	0.00	304.	15.0 DYNO HP	
						IDLE - D	14.	0.00	39.		
						IDLE - N	12.	0.00	41.		
	COMMENTS: RECONNECT VACUUM HOSE										
3	5026	1975	PLYM	FURY	400	1975 FTP	.87	15.20	941.3	1.08	9.17
						HWY FET	.03	.93	623.8	1.38	14.18
	IDLE HC.PPM/HEXANE		120.			FED S CY	.17	.26	747.1	1.16	
	IDLE CO.PCT (MEAS)		1.10			NY/NJ	.29	0.00	1015.3	.89	
	IDLE CO.PCT (SPEC)		.50				HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	10.	.03	219.	30.0 IND HP	
						LO SPEED	9.	0.00	139.		
						IDLE	11.	0.00	56.	650. RPM	
						2-SPD IDLE					
						HI IDLE	11.	0.00	81.	2250. RPM	
						LO IDLE	19.	0.00	42.	800. RPM	
						FED 3-MODE					
						HI SPEED	5.	.01	232.	31.0 DYNO HP	
						LO SPEED	7.	0.00	229.	15.0 DYNO HP	
						IDLE - D	7.	0.00	58.		
						IDLE - N	8.	.01	62.		
	COMMENTS: ADJ IRPM AND ICO										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
						---- EMISSION RESULTS (GMS/MI) ----				
4	5026	1975	PLYM	FURY 400	1975 FTP	.83	14.97	968.9	1.26	8.93
					HWY FET	.02	1.10	570.2	1.58	15.50
	IDLE HC,PPM/HEXANE	70.			FED S CY	.20	.45	760.3	1.48	
	IDLE CO,PCT (MEAS)	.35			NY/NJ	.29	.21	1073.3	1.32	
	IDLE CO,PCT (SPEC)	.50								
						HC,	CO,	NOX,		
					KEY MODE	PPM	PCT	PPM		
					HI SPEED	14.	.03	199.	30.0 IND HP	
					LO SPEED	16.	.01	460.		
					IDLE	16.	0.00	73.	700. RPM	
					2-SPD IDLE					
					HI IDLE	10.	0.00	130.	2250. RPM	
					LO IDLE	17.	0.00	54.	1000. RPM	
					FED 3-MODE					
					HI SPEED	9.	.01	252.	31.0 DYNO HP	
					LO SPEED	13.	.01	538.	15.0 DYNO HP	
					IDLE - D	9.	.01	79.		
					IDLE - N	13.	.01	48.		
	COMMENTS: MAJOR TUNE-UP - REPL RAD CAP, OSAC, CHOKE SWITCH									
A	5026	1975	PLYM	FURY 400	1975 FTP	.33	7.16	990.8	1.47	8.85
					HWY FET	.03	.81	662.0	1.86	13.37
	IDLE HC,PPM/HEXANE	85.			FED S CY	.17	.26	793.1	1.29	
	IDLE CO,PCT (MEAS)	.60			NY/NJ	.23	0.00	1063.8	1.01	
	IDLE CO,PCT (SPEC)	.50								
						HC,	CO,	NOX,		
					KEY MODE	PPM	PCT	PPM		
					HI SPEED	11.	.02	286.	30.0 IND HP	
					LO SPEED	12.	0.00	85.		
					IDLE	12.	.01	58.	800. RPM	
					2-SPD IDLE					
					HI IDLE	9.	0.00	52.	2250. RPM	
					LO IDLE	13.	0.00	40.	900. RPM	
					FED 3-MODE					
					HI SPEED	6.	.01	283.	31.0 DYNO HP	
					LO SPEED	5.	0.00	174.	15.0 DYNO HP	
					IDLE - D	9.	0.00	127.		
					IDLE - N	6.	0.00	72.		
	COMMENTS: NEW CARB INSTALLED - ADJ IRPM AND ICO									

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOxC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
1	6027	1976	PLYM	VOLA	225	1975 FTP	.83	12.01	711.1	1.17	12.12
						HWY FET	.11	3.15	567.1	1.51	15.50
	IDLE HC,PPM/HEXANE			25.		FED S CY	.46	4.62	585.3	.86	
	IDLE CO,PCT (MEAS)			1.15		NY/NJ	.59	1.57	788.0	1.05	
	IDLE CO,PCT (SPEC)			1.00							
							HC,	CO,	NOx,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	14.	.10	203.	24.0 IND HP	
						LO SPEED	22.	0.00	183.		
						IDLE	15.	.05	65.	745. RPM	
						2-SPD IDLE					
						HI IDLE	81.	0.00	61.	2250. RPM	
						LO IDLE	13.	.01	48.	1090. RPM	
						FED 3-MODE					
						HI SPEED	7.	.05	669.	31.0 DYNO HP	
						LO SPEED	10.	.02	249.	15.0 DYNO HP	
						IDLE - D	9.	.03	64.		
						IDLE - N	7.	.01	49.		
	COMMENTS: LIMITER CAP OK - IRPM 920N - CHOKE SET +.028										
	DIVERTER VENTING TOO LONG										
3	6027	1976	PLYM	VOLA	225	1975 FTP	.87	14.77	669.9	1.13	12.75
						HWY FET	.12	2.08	480.8	1.23	18.32
	IDLE HC,PPM/HEXANE			110.		FED S CY	.71	8.64	548.1	.80	
	IDLE CO,PCT (MEAS)			3.00		NY/NJ	.39	2.72	721.5	.74	
	IDLE CO,PCT (SPEC)			1.00							
							HC,	CO,	NOx,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	13.	.08	343.	24.0 IND HP	
						LO SPEED	34.	.01	141.		
						IDLE	25.	.09	42.	750. RPM	
						2-SPD IDLE					
						HI IDLE	66.	.01	46.	2250. RPM	
						LO IDLE	14.	.03	37.	900. RPM	
						FED 3-MODE					
						HI SPEED	10.	.07	594.	31.0 DYNO HP	
						LO SPEED	23.	.03	233.	15.0 DYNO HP	
						IDLE - D	24.	.06	50.		
						IDLE - N	16.	.02	51.		
	COMMENTS: ADJ IRPM AND ICO										

APPENDIX D

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	EMISSION RESULTS (GMS/MI) HC	CO	CO2	NOXC	FUEL ECON (MPG)
*	6027	1976	PLYM	VOLA	225	1975 FTP	1.17	13.85	702.9	1.11	12.19
						HWY FET	.04	1.10	421.5	1.04	20.96
	IDLE HC,PPM/HEXANE		55.			FED S CY	.77	6.90	577.7	.72	
	IDLE CO,PCT (MEAS)		1.20			NY/NJ	.64	13.35	734.1	.65	
	IDLE CO,PCT (SPEC)		1.00								

	HC, PPM	CO, PCT	NOX, PPM	
KEY MODE				
HI SPEED	15.	.12	197.	24.0 IND HP
LO SPEED	39.	.02	117.	
IDLE	19.	.04	40.	640. RPM
2-SPD IDLE				
HI IDLE	87.	.02	49.	2250. RPM
LO IDLE	16.	.02	34.	750. RPM
FED 3-MODE				
HI SPEED	5.	.03	540.	31.0 DYNO HP
LO SPEED	6.	.05	173.	15.0 DYNO HP
IDLE - D	10.	.03	44.	
IDLE - N	9.	.02	44.	

COMMENTS: MAJOR TUNE-UP - REPL RAD CAP, AIR FILTER, DIVERTER VALVE
ADJ CHOKE, ICG

1	6028	1976	PLYM	FURY	360	1975 FTP	1.28	37.90	867.5	1.33	9.53
						HWY FET	.19	1.51	509.0	1.57	17.33
	IDLE HC,PPM/HEXANE		130.			FED S CY	.56	8.83	701.2	.93	
	IDLE CO,PCT (MEAS)		4.80			NY/NJ	.75	20.67	1049.3	.83	
	IDLE CO,PCT (SPEC)		2.00								

	HC, PPM	CO, PCT	NOX, PPM	
KEY MODE				
HI SPEED	9.	.07	463.	30.0 IND HP
LO SPEED	12.	.01	59.	
IDLE	26.	3.99	42.	730. RPM
2-SPD IDLE				
HI IDLE	7.	0.00	78.	2250. RPM
LO IDLE	22.	.01	43.	900. RPM
FED 3-MODE				
HI SPEED	12.	.08	328.	31.0 DYNO HP
LO SPEED	17.	0.00	278.	15.0 DYNO HP
IDLE - D	27.	1.86	35.	
IDLE - N	27.	3.57	34.	

COMMENTS: LIMITER CAPS OK - VAC HOSE DISC TO AIR CLNR. THERMO CONTROL
HEATED AIR INTAKE SYSTEM INOPERATIVE-TIMING OUT OF SPEC

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	EMISSION RESULTS (GMS/MI) HC	CO	CO2	NOxC	FUEL ECON (MPG)
2	6028	1976	PLYM	FURY	360	1975 FTP	2.55	69.70	855.7	1.32	9.12
						HWY FET	.25	2.37	448.7	1.21	19.57
	IDLE HC.PPM/HEXANE 200.					FED S CY	1.73	31.48	710.6	.70	
	IDLE CO.PCT (MEAS) 5.20					NY/NJ	2.39	64.40	1000.6	.84	
	IDLE CO.PCT (SPEC) 2.00										
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	2.	.03	387.	30.0 IND HP	
						LO SPEED	3.	0.00	318.		
						IDLE	185.	.93	24.	620. RPM	
						2-SPD IDLE					
						HI IDLE	17.	.01	85.	2250. RPM	
						LO IDLE	93.	.57	29.	860. RPM	
						FED 3-MODE					
						HI SPEED	13.	0.00	364.	31.0 DYNO HP	
						LO SPEED	17.	0.00	199.	15.0 DYNO HP	
						IDLE - D	166.	.69	25.		
						IDLE - N	145.	.66	25.		
	COMMENTS: ADJ TIMING - RECONNECT VAC HOSE										
3	6028	1976	PLYM	FURY	360	1975 FTP	1.22	32.42	871.7	1.23	9.58
						HWY FET	.19	1.75	539.2	1.36	16.34
	IDLE HC.PPM/HEXANE 75.					FED S CY	.58	4.28	730.2	.61	
	IDLE CO.PCT (MEAS) 2.30					NY/NJ	.64	7.44	974.4	.62	
	IDLE CO.PCT (SPEC) 2.00										
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	12.	.15	218.	30.0 IND HP	
						LO SPEED	22.	.02	108.		
						IDLE	21.	.05	27.	610. RPM	
						2-SPD IDLE					
						HI IDLE	29.	.01	67.	2250. RPM	
						LO IDLE	25.	.01	34.	800. RPM	
						FED 3-MODE					
						HI SPEED	12.	.08	359.	31.0 DYNO HP	
						LO SPEED	14.	.03	192.	15.0 DYNO HP	
						IDLE - D	17.	.44	65.		
						IDLE - N	15.	.06	37.		
	COMMENTS: IDLE CO ADJUSTED										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
4	6028	1976	PLYM	FURY	360	1975 FTP	.98	26.33	893.3	1.33	9.46
						HWY FET	.15	1.32	433.6	1.17	20.33
	IDLE HC,PPM/HEXANE				50.	FED 5 CY	.36	2.92	682.5	.75	
	IDLE CO,PCT (MEAS)				.90	NY/NJ	.52	2.83	995.7	.81	
	IDLE CO,PCT (SPEC)				2.00						
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	12.	.12	268.	30.0 IND HP	
						LO SPEED	22.	.05	67.		
						IDLE	14.	.03	42.	650. RPM	
						2-SPD IDLE					
						HI IDLE	26.	0.00	82.	2250. RPM	
						LO IDLE	17.	.01	38.	850. RPM	
						FED 3-MODE					
						HI SPEED	10.	.07	294.	31.0 DYNO HP	
						LO SPEED	14.	.02	160.	15.0 DYNO HP	
						IDLE - D	15.	.06	64.		
						IDLE - N	17.	.03	43.		
COMMENTS: MAJOR TUNE-UP - REPL RAD CAP. AIR FILTER - ADJ CHOKE AND ICO											
A	6028	1976	PLYM	FURY	360	1975 FTP	.99	18.65	903.7	1.85	9.48
						HWY FET	.15	1.13	550.6	1.79	16.05
	IDLE HC,PPM/HEXANE				75.	FED 5 CY	.45	2.22	705.1	1.03	
	IDLE CO,PCT (MEAS)				1.75	NY/NJ	.75	6.73	1008.6	1.06	
	IDLE CO,PCT (SPEC)				2.00						
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	28.	.07	266.	30.0 IND HP	
						LO SPEED	47.	0.00	144.		
						IDLE	38.	.01	86.	750. RPM	
						2-SPD IDLE					
						HI IDLE	67.	0.00	59.	2250. RPM	
						LO IDLE	18.	.01	36.	900. RPM	
						FED 3-MODE					
						HI SPEED	7.	.04	332.	31.0 DYNO HP	
						LO SPEED	13.	0.00	202.	15.0 DYNO HP	
						IDLE - D	15.	.01	50.		
						IDLE - N	15.	0.00	44.		
COMMENTS: NEW CARB INSTALLED - ADJ IDLE AND ICO											

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
1	6029	1976	PLYM	VOLA	318	1975 FTP	1.28	55.32	821.0	.79	9.73
						HWY FET	.32	23.29	626.8	.60	13.35
	IDLE HC,PPM/HEXANE 75.					FED S CY	.73	21.03	651.6	1.47	
	IDLE CO,PCT (MEAS) 1.10					NY/NJ	.75	33.79	922.1	1.19	
	IDLE CO,PCT (SPEC) 1.00						HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	29.	1.70	60.	24.0 IND HP	
						LO SPEED	7.	0.00	220.		
						IDLE	11.	.03	80.	720. RPM	
						2-SPD IDLE					
						HI IDLE	9.	0.00	153.	2250. RPM	
						LO IDLE	8.	.03	58.	1125. RPM	
						FED 3-MODE					
						HI SPEED	24.	1.77	47.	26.0 DYNO HP	
						LO SPEED	20.	0.00	1048.	12.0 DYNO HP	
						IDLE - D	8.	0.00	35.		
						IDLE - N	6.	0.00	5.		
	COMMENTS: LIMITER CAPS BROKEN - CARB METERING RODS MALADJUSTED CARBURETOR SHOWED SIGNS OF ADJ MADE TO METERING ROD										
2	6029	1976	PLYM	VOLA	318	1975 FTP	.57	4.50	882.1	1.82	9.96
						HWY FET	.35	.28	719.5	1.41	12.30
	IDLE HC,PPM/HEXANE 60.					FED S CY	.25	2.79	690.0	1.73	
	IDLE CO,PCT (MEAS) 1.40					NY/NJ	.34	4.01	967.5	1.78	
	IDLE CO,PCT (SPEC) 1.00						HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	21.	0.00	166.	24.0 IND HP	
						LO SPEED	27.	0.00	102.		
						IDLE	19.	0.00	107.	720. RPM	
						2-SPD IDLE					
						HI IDLE	129.	.01	77.	2250. RPM	
						LO IDLE	17.	0.00	68.	1020. RPM	
						FED 3-MODE					
						HI SPEED	8.	0.00	201.	26.0 DYNO HP	
						LO SPEED	17.	0.00	199.	12.0 DYNO HP	
						IDLE - D	9.	0.00	116.		
						IDLE - N	8.	0.00	143.		
	COMMENTS: CARB REPLACED - ADJ IDLE										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL CID	TEST TYPE	EMISSION RESULTS (GMS/MI) HC	CO	CO2	NOXC	FUEL ECON (MPG)
1	6030	1976	CHRY	CORO 400	1975 FTP	.42	7.47	945.0	1.90	9.26
					HWY FET	.05	.12	645.2	2.02	13.74
	IDLE HC-PPM/HEXANE	65.			FED S CY	.17	.65	741.2	1.88	
	IDLE CO-PCT (MEAS)	1.50			NY/NJ	.23	.23	1039.0	1.54	
	IDLE CO-PCT (SPEC)	.50								
						HC.	CO.	NOX.		
					KEY MODE	PPM	PCT	PPM		
					HI SPEED	4.	.01	554.	30.0 IND HP	
					LO SPEED	5.	0.00	66.		
					IDLE	8.	.01	57.	650. RPM	
					2-SPD IDLE					
					HI IDLE	7.	0.00	116.	2250. RPM	
					LO IDLE	10.	0.00	46.	810. RPM	
					FED 3-MODE					
					HI SPEED	7.	.01	478.	31.0 DYNO HP	
					LO SPEED	6.	0.00	199.	15.0 DYNO HP	
					IDLE - D	10.	.01	53.		
					IDLE - N	8.	0.00	48.		
	COMMENTS: 1 LIMITER CAP CRACKED - OSAC 60+ SEC									
1	6031	1976	CHRY	CORO 360	1975 FTP	.37	7.05	776.5	5.37	11.25
					HWY FET	.06	.08	532.3	7.01	16.64
	IDLE HC-PPM/HEXANE	25.			FED S CY	.12	.08	634.4	3.89	
	IDLE CO-PCT (MEAS)	.20			NY/NJ	.11	0.00	893.5	3.83	
	IDLE CO-PCT (SPEC)	2.00								
						HC.	CO.	NOX.		
					KEY MODE	PPM	PCT	PPM		
					HI SPEED	9.	.02	972.	30.0 IND HP	
					LO SPEED	10.	.01	972.		
					IDLE	7.	0.00	85.	550. RPM	
					2-SPD IDLE					
					HI IDLE	5.	0.00	158.	2250. RPM	
					LO IDLE	4.	.01	48.	560. RPM	
					FED 3-MODE					
					HI SPEED	13.	.02	972.	31.0 DYNO HP	
					LO SPEED	13.	0.00	972.	15.0 DYNO HP	
					IDLE - D	4.	.02	95.		
					IDLE - N	4.	.01	67.		
	COMMENTS: LIMITER CAPS MISSING - TIMING -4 - EGR AMP AND VALVE DISABLED FIRING VOLTAGE 20+KV									

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	EMISSION RESULTS (GMS/MI) HC	CO	CO2	NOXC	FUEL ECON (MPG)
2	6031	1976	CHRY	CORD	360	1975 FTP	.53	4.36	774.1	1.10	11.34
						HWY FET	.07	.15	529.8	1.37	16.72
	IDLE HC.PPM/HEXANE				60.	FED S CY	.23	.08	637.4	.67	
	IDLE CO.PCT (MEAS)				.50	NY/NJ	.28	.10	898.8	.84	
	IDLE CO.PCT (SPEC)				2.00						
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	7.	.04	432.	30.0 IND HP	
						LO SPEED	18.	0.00	192.		
						IDLE	4.	0.00	50.	750. RPM	
						2-SPD IDLE					
						HI IDLE	144.	.02	67.	2250. RPM	
						LO IDLE	18.	.02	44.	800. RPM	
						FED 3-MODE					
						HI SPEED	5.	.01	457.	31.0 DYNO HP	
						LO SPEED	8.	0.00	221.	15.0 DYNO HP	
						IDLE - D	5.	.01	69.		
						IDLE - N	3.	.01	71.		
COMMENTS: ADJ TIMING - REPL EGR AMP AND VALVE											
6	6031	1976	CHRY	CORD	360	1975 FTP	.31	3.70	748.0	3.88	11.76
						HWY FET	.05	.08	488.3	3.26	18.15
	IDLE HC.PPM/HEXANE				30.	FED S CY	.12	1.61	588.0	3.76	
	IDLE CO.PCT (MEAS)				.50	NY/NJ	.11	0.00	825.9	3.32	
	IDLE CO.PCT (SPEC)				2.00						
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	9.	.05	435.	30.0 IND HP	
						LO SPEED	13.	0.00	441.		
						IDLE	8.	0.00	76.	710. RPM	
						2-SPD IDLE					
						HI IDLE	18.	0.00	190.	2250. RPM	
						LO IDLE	5.	0.00	55.	840. RPM	
						FED 3-MODE					
						HI SPEED	3.	.04	578.	31.0 DYNO HP	
						LO SPEED	14.	0.00	972.	15.0 DYNO HP	
						IDLE - D	4.	0.00	107.		
						IDLE - N	3.	0.00	94.		
COMMENTS: SEAL ON EGR AMP NOSE LIFTED EFFECTING BIAS VACUUM											

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
						---- EMISSION RESULTS (GMS/MI) ----				
1	6032	1976	CHRY	NEWP 400	1975 FTP	.61	5.03	847.6	2.98	10.35
					HWY FET	.07	.25	562.2	5.21	15.75
	IDLE HC,PPM/HEXANE 100.				FED S CY	.80	.43	694.2	2.56	
	IDLE CO,PCT (MEAS) 1.80				NY/NJ	1.46	.23	948.0	1.97	
	IDLE CO,PCT (SPEC) .50									
						HC,	CO,	NOX,		
					KEY MODE	PPM	PCT	PPM		
					HI SPEED	42.	.06	1278.	30.0 IND HP	
					LO SPEED	32.	.03	375.		
					IDLE	59.	.06	83.	670. RPM	
					2-SPD IDLE					
					HI IDLE	100.	.01	164.	2250. RPM	
					LO IDLE	120.	.01	60.	750. RPM	
					FED 3-MODE					
					HI SPEED	9.	.05	1199.	31.0 DYNO HP	
					LO SPEED	13.	.02	885.	15.0 DYNO HP	
					IDLE - D	41.	.02	82.		
					IDLE - N	86.	.02	83.		
COMMENTS: LIMITER CAPS OK - EGR PLUGGED - CHOKE SET -.033										
2	6032	1976	CHRY	NEWP 400	1975 FTP	.50	9.92	923.4	2.11	9.44
					HWY FET	.04	.09	652.0	1.77	13.59
	IDLE HC,PPM/HEXANE 55.				FED S CY	.12	.34	759.4	1.94	
	IDLE CO,PCT (MEAS) 1.25				NY/NJ	.18	.49	1034.2	.96	
	IDLE CO,PCT (SPEC) .50									
						HC,	CO,	NOX,		
					KEY MODE	PPM	PCT	PPM		
					HI SPEED	4.	.04	372.	30.0 IND HP	
					LO SPEED	3.	.01	96.		
					IDLE	10.	.04	49.	650. RPM	
					2-SPD IDLE					
					HI IDLE	7.	.01	233.	2250. RPM	
					LO IDLE	9.	.02	196.	800. RPM	
					FED 3-MODE					
					HI SPEED	7.	0.00	1484.	31.0 DYNO HP	
					LO SPEED	11.	0.00	1269.	15.0 DYNO HP	
					IDLE - D	9.	0.00	114.		
					IDLE - N	7.	0.00	77.		
COMMENTS: ADJ ICG										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
3	6032	1976	CHRY	NEWP	400	1975 FTP	.47	10.63	935.3	1.49	9.31
						HWY FET	.03	.11	644.3	2.31	13.76
	IDLE HC.PPM/HEXANE				50.	FED S CY	.23	1.04	798.8	1.03	
	IDLE CO.PCT (MEAS)				1.10	NY/NJ	.17	.23	1027.1	1.06	
	IDLE CO.PCT (SPEC)				.50						
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	11.	.06	363.	30.0 IND HP	
						LO SPEED	15.	.02	113.		
						IDLE	19.	.05	54.	625. RPM	
						2-SPD IDLE					
						HI IDLE	11.	.02	55.	2250. RPM	
						LO IDLE	11.	.03	41.	775. RPM	
						FED 3-MODE					
						HI SPEED	3.	.03	266.	31.0 DYNO HP	
						LO SPEED	4.	.02	180.	15.0 DYNO HP	
						IDLE - D	5.	.03	62.		
						IDLE - N	4.	.02	58.		
	COMMENTS: ADJUST IDPM AND CO										
4	6032	1976	CHRY	NEWP	400	1975 FTP	.32	6.59	985.0	1.55	8.91
						HWY FET	.05	.09	683.2	1.52	12.97
	IDLE HC.PPM/HEXANE				65.	FED S CY	.12	.87	750.0	1.03	
	IDLE CO.PCT (MEAS)				.50	NY/NJ	.11	.35	1058.4	.99	
	IDLE CO.PCT (SPEC)				.50						
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	6.	.05	321.	30.0 IND HP	
						LO SPEED	6.	.01	155.		
						IDLE	9.	.02	70.	590. RPM	
						2-SPD IDLE					
						HI IDLE	9.	.02	63.	2250. RPM	
						LO IDLE	10.	0.00	51.	760. RPM	
						FED 3-MODE					
						HI SPEED	7.	.02	271.	31.0 DYNO HP	
						LO SPEED	6.	.01	190.	15.0 DYNO HP	
						IDLE - D	8.	0.00	79.		
						IDLE - N	9.	0.00	57.		
	COMMENTS: MAJOR TUNE-UP - REPL RAD CAP, AIR FILTER - ADJ CHOKE										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
1	6033	1976	CHRY	NEWP	400	1975 FTP	2.21	34.00	923.3	1.75	9.02
						HWY FET	.46	1.20	623.5	2.20	14.15
	IDLE HC,PPM/HEXANE 225.					FED S CY	.58	12.33	731.7	1.09	
	IDLE CO,PCT (MEAS) 5.20					NY/NJ	.64	26.35	1003.2	.90	
	IDLE CO,PCT (SPEC) .50										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	141.	.86	497.	30.0 IND HP	
						LO SPEED	37.	.07	125.		
						IDLE	62.	4.69	26.	600. RPM	
						2-SPD IDLE					
						HI IDLE	78.	0.00	74.	2250. RPM	
						LO IDLE	16.	.40	30.	780. RPM	
						FED 3-MODE					
						HI SPEED	41.	.06	582.	36.0 DYNO HP	
						LO SPEED	52.	.06	243.	18.0 DYNO HP	
						IDLE - D	103.	1.71	31.		
						IDLE - N	56.	.27	18.		
	COMMENTS: LIMITER CAPS MISSING - EGR TUBE CRUSHED - OSAC 140 SEC CHOKE SET +.025 - 1 PLUG WIRE OPEN										
2	6033	1976	CHRY	NEWP	400	1975 FTP	2.23	28.24	927.1	1.70	9.07
						HWY FET	.19	.61	619.6	2.23	14.29
	IDLE HC,PPM/HEXANE 200.					FED S CY	.60	11.01	758.8	1.29	
	IDLE CO,PCT (MEAS) 3.80					NY/NJ	.58	16.77	1007.6	1.09	
	IDLE CO,PCT (SPEC) .50										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	7.	0.00	611.	30.0 IND HP	
						LO SPEED	7.	0.00	306.		
						IDLE	23.	3.47	29.	570. RPM	
						2-SPD IDLE					
						HI IDLE	150.	0.00	92.	2250. RPM	
						LO IDLE	10.	.70	30.	800. RPM	
						FED 3-MODE					
						HI SPEED	5.	0.00	643.	36.0 DYNO HP	
						LO SPEED	2.	0.00	308.	18.0 DYNO HP	
						IDLE - D	24.	4.10	32.		
						IDLE - N	5.	1.88	22.		
	COMMENTS: REPLACE EGR										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
3	6033	1976	CHRY	NEWP	400	1975 FTP	2.67	14.87	921.9	1.58	9.31
						HWY FET	1.39	4.81	707.9	1.89	12.32
	IDLE HC,PPM/HEXANE		700.			FED S CY	2.27	.96	757.7	1.12	
	IDLE CO,PCT (MEAS)		.50			NY/NJ	.29	.35	945.7	1.15	
	IDLE CO,PCT (SPEC)		.50								
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	15.	.08	397.	30.0 IND HP	
						LO SPEED	10.	.05	212.		
						IDLE	16.	0.00	44.	560. RPM	
						2-SPD IDLE					
						HI IDLE	119.	0.00	81.	2250. RPM	
						LO IDLE	15.	0.00	42.	700. RPM	
						FED 3-MODE					
						HI SPEED	53.	.20	429.	36.0 DYNO HP	
						LO SPEED	41.	.14	258.	18.0 DYNO HP	
						IDLE - D	20.	.08	62.		
						IDLE - N	21.	.08	58.		
COMMENTS: ADJUST ICO											
4	6033	1976	CHRY	NEWP	400	1975 FTP	.90	13.01	936.5	1.94	9.25
						HWY FET	.02	.15	607.2	2.26	14.60
	IDLE HC,PPM/HEXANE		70.			FED S CY	.21	.91	725.7	1.26	
	IDLE CO,PCT (MEAS)		.60			NY/NJ	.29	.11	995.6	1.46	
	IDLE CO,PCT (SPEC)		.50								
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	5.	0.00	453.	30.0 IND HP	
						LO SPEED	5.	0.00	104.		
						IDLE	6.	0.00	89.	660. RPM	
						2-SPD IDLE					
						HI IDLE	17.	0.00	69.	2250. RPM	
						LO IDLE	18.	0.00	56.	800. RPM	
						FED 3-MODE					
						HI SPEED	12.	0.00	442.	36.0 DYNO HP	
						LO SPEED	10.	0.00	252.	18.0 DYNO HP	
						IDLE - D	10.	0.00	94.		
						IDLE - N	10.	0.00	73.		
COMMENTS: MAJOR TUNE-UP/REPL PAD CAP, AIR FLTR, ROTOR, PLUG WIRE, PLUGS, DIAL ADJ CHOKE, ICO											

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	---- EMISSION RESULTS (GMS/MI) ---- HC	CO	CO2	NOXC	FUEL ECON (MPG)
A	6031	1976	CHRY	NEWP	400	1975 FTP	.54	5.09	905.7	1.93	9.70
						HWY FET	.04	.04	621.3	2.08	14.27
	IDLE HC,PPM/HEXANE 70.					FED S CY	.10	.26	711.9	1.49	
	IDLE CO,PCT (MEAS) 1.00					NY/NJ	.17	0.00	987.9	1.34	
	IDLE CO,PCT (SPEC) .50						HC, PPM	CO, PCT	NOX, PPM		
						KEY MODE					
						HI SPEED	20.	0.00	479.	30.0 IND HP	
						LO SPEED	20.	0.00	113.		
						IDLE	23.	0.00	66.	650. RPM	
						2-SPD IDLE					
						HI IDLE	23.	0.00	70.	2250. RPM	
						LO IDLE	24.	0.00	43.	790. RPM	
						FED 3-MODE					
						HI SPEED	12.	0.00	584.	36.0 DYNO HP	
						LO SPEED	14.	0.00	236.	18.0 DYNO HP	
						IDLE - D	14.	0.00	70.		
						IDLE - N	13.	0.00	71.		
	COMMENTS: REPLACE CARB - ADJ IRPM, ICO										
I	6034	1976	FORD	PINT	140	1975 FTP	.55	2.92	510.0	1.43	17.19
						HWY FET	.27	.40	310.7	2.17	28.41
	IDLE HC,PPM/HEXANE 15.					FED S CY	.34	.61	398.3	.91	
	IDLE CO,PCT (MEAS) 0.00					NY/NJ	.52	1.65	626.5	1.23	
	IDLE CO,PCT (SPEC) 99.99						HC, PPM	CO, PCT	NOX, PPM		
						KEY MODE					
						HI SPEED	35.	.02	379.	15.0 IND HP	
						LO SPEED	28.	.01	276.		
						IDLE	10.	0.00	38.	990. RPM	
						2-SPD IDLE					
						HI IDLE	6.	0.00	56.	2250. RPM	
						LO IDLE	7.	0.00	34.	1000. RPM	
						FED 3-MODE					
						HI SPEED	49.	.03	764.	21.0 DYNO HP	
						LO SPEED	50.	.01	520.	9.0 DYNO HP	
						IDLE - D	11.	0.00	43.		
						IDLE - N	10.	0.00	38.		
	COMMENTS: LIMITER CAP OK - NO THERMACTOR BYPASS - THERMACTOR TEMP SW OPEN										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	---- EMISSION RESULTS (GMS/MI) ---- HC	CO	CO2	NOXC	FUEL ECON (MPG)
1	6035	1976	FORD	MUST	171	1975 FTP	.75	8.20	617.9	2.27	14.02
						HWY FET	.29	4.48	450.6	1.76	19.34
	IDLE HC.PPM/HEXANE 40.					FED S CY	.62	4.94	514.5	1.56	
	IDLE CO.PCT (MEAS) .01					NY/NJ	.69	6.37	683.9	1.81	
	IDLE CO.PCT (SPEC) 99.99										
							HC.	CO.	NOx.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	39.	.29	879.	24.0 IND HP	
						LO SPEED	26.	.07	272.		
						IDLE	22.	0.00	92.	800. RPM	
						2-SPD IDLE					
						HI IDLE	16.	.02	127.	2250. RPM	
						LO IDLE	18.	0.00	65.	900. RPM	
						FED 3-MODE					
						HI SPEED	41.	.28	865.	26.0 DYNO HP	
						LO SPEED	34.	.09	423.	12.0 DYNO HP	
						IDLE - D	22.	0.00	80.		
						IDLE - N	23.	0.00	88.		
	COMMENTS: LIMITER CAP OK										
3	6035	1976	FORD	MUST	171	1975 FTP	.72	7.71	622.1	2.15	13.94
						HWY FET	.27	3.74	432.7	1.72	20.20
	IDLE HC.PPM/HEXANE 12.					FED S CY	.41	4.02	512.2	1.46	
	IDLE CO.PCT (MEAS) 0.00					NY/NJ	.75	8.86	698.2	1.53	
	IDLE CO.PCT (SPEC) 99.99										
							HC.	CO.	NOx.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	55.	.27	841.	24.0 IND HP	
						LO SPEED	32.	.05	485.		
						IDLE	30.	0.00	101.	920. RPM	
						2-SPD IDLE					
						HI IDLE	20.	.03	95.	2250. RPM	
						LO IDLE	18.	0.00	63.	1150. RPM	
						FED 3-MODE					
						HI SPEED	57.	.26	782.	26.0 DYNO HP	
						LO SPEED	47.	.11	386.	12.0 DYNO HP	
						IDLE - D	31.	0.00	102.		
						IDLE - N	23.	0.00	102.		
	COMMENTS: ADJUST IRPM										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL CID	TEST TYPE	EMISSION RESULTS (GMS/MI) HC	CO	CO2	NOxC	FUEL ECON (MPG)
*	6035	1974	FORD	MUST 171	1975 FTP	.78	7.56	541.4	2.20	14.65
					HWY TST	.29	3.91	421.0	1.66	20.70
					FED 5 CY	.58	5.94	481.4	1.41	
					NY/NJ	.69	5.19	674.0	1.90	
	IDLE HC,PPM/HEXANE 40.									
	IDLE CO,PCT (MEAS) .25									
	IDLE CO,PCT (SPEC) 99.99									
						HC, PPM	CO, PCT	NOx, PPM		
					KEY MODE					
					HI SPEED	45.	.29	776.	24.0 IND HP	
					LO SPEED	23.	.05	244.		
					IDLE	19.	0.00	105.	850. RPM	
					2-SPD IDLE					
					HI IDLE	16.	.03	96.	2250. RPM	
					LO IDLE	18.	0.00	68.	1000. RPM	
					FED 3-MODE					
					HI SPEED	45.	.29	802.	26.0 DYNO HP	
					LO SPEED	34.	.10	307.	12.0 DYNO HP	
					IDLE - D	24.	0.00	104.		
					IDLE - N	20.	0.00	119.		
	COMMENTS: MAJOR TUNE-UP - NEW AIR FILTER - ADJ IMPM, ICO									
A	6035	1974	FORD	MUST 171	1975 FTP	.82	7.35	599.8	2.22	14.46
					HWY TST	.28	4.09	425.5	1.52	20.49
					FED 5 CY	.49	4.11	500.1	1.32	
					NY/NJ	.81	7.91	682.8	1.56	
	IDLE HC,PPM/HEXANE 10.									
	IDLE CO,PCT (MEAS) .15									
	IDLE CO,PCT (SPEC) 99.99									
						HC, PPM	CO, PCT	NOx, PPM		
					KEY MODE					
					HI SPEED	66.	.29	883.	24.0 IND HP	
					LO SPEED	36.	.07	422.		
					IDLE	33.	0.00	96.	810. RPM	
					2-SPD IDLE					
					HI IDLE	14.	.03	95.	2250. RPM	
					LO IDLE	28.	0.00	67.	1050. RPM	
					FED 3-MODE					
					HI SPEED	47.	.26	710.	26.0 DYNO HP	
					LO SPEED	42.	.10	300.	12.0 DYNO HP	
					IDLE - D	28.	0.00	98.		
					IDLE - N	23.	0.00	100.		
	COMMENTS: NO CHANGE FROM TEST 4									

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	---- EMISSION RESULTS (GMS/MI) ---- HC	CO	CO2	NOXC	FUEL ECON (MPG)
1	6036	1976	FORD	PINT	140	1975 FTP	.91	4.16	475.5	1.23	18.30
						HWY FET	.17	.38	349.2	1.86	25.32
	IDLE HC.PPM/HEXANE 0.					FED 5 CY	.49	.56	366.9	.98	
	IDLE CO.PCT (MEAS) .01					NY/NJ	.46	1.06	449.4	1.32	
	IDLE CO.PCT (SPEC) 99.99										
							HC. PPM	CO. PCT	NOX. PPM		
						KEY MODE					
						HI SPEED	34.	.01	395.	15.6 IND HP	
						LO SPEED	40.	.01	563.		
						IDLE	24.	0.00	42.	630. RPM	
						2-SPD IDLE					
						HI IDLE	19.	0.00	107.	2250. RPM	
						LO IDLE	27.	0.00	32.	565. RPM	
						FED 3-MODE					
						HI SPEED	24.	.01	766.	21.0 DYNO HP	
						LO SPEED	31.	0.00	236.	9.0 DYNO HP	
						IDLE - D	27.	0.00	33.		
						IDLE - N	19.	0.00	28.		
	COMMENTS: LIMITER CAP OK - CHOKE MISADJ. - TIMING -5 - MALADJ. SPARK PLUGS										
2	6036	1976	FORD	PINT	140	1975 FTP	.70	3.83	460.9	1.50	18.92
						HWY FET	.27	.51	341.7	2.38	25.84
	IDLE HC.PPM/HEXANE 0.					FED 5 CY	.62	.83	378.7	1.15	
	IDLE CO.PCT (MEAS) 0.00					NY/NJ	.69	1.17	505.3	1.67	
	IDLE CO.PCT (SPEC) 99.99										
							HC. PPM	CO. PCT	NOX. PPM		
						KEY MODE					
						HI SPEED	44.	.01	519.	15.0 IND HP	
						LO SPEED	43.	0.00	572.		
						IDLE	37.	0.00	37.	620. RPM	
						2-SPD IDLE					
						HI IDLE	112.	0.00	205.	2250. RPM	
						LO IDLE	263.	0.00	34.	840. RPM	
						FED 3-MODE					
						HI SPEED	48.	.02	835.	21.0 DYNO HP	
						LO SPEED	89.	0.00	281.	9.0 DYNO HP	
						IDLE - D	112.	0.00	35.		
						IDLE - N	89.	0.00	28.		
	COMMENTS: ADJ CHOKE AND TIMING - REPL. SPARK PLUGS										

APPENDIX D

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
5	6036	1976	FORD	PINT	140	1975 FTP	2.22	47.79	403.5	5.74	18.28
						HWY FET	1.13	18.30	325.1	5.85	24.81
	IDLE HC,PPM/HEXANE 20.					FED S CY	1.88	30.17	344.2	5.30	
	IDLE CO,PCT (MEAS) .30					NY/NJ	2.69	51.99	485.2	6.01	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	102.	2.00	2309.	15.0 IND HP	
						LO SPEED	129.	2.86	1704.		
						IDLE	161.	5.28	68.	815. RPM	
						2-SPD IDLE					
						HI IDLE	46.	2.07	200.	2250. RPM	
						LO IDLE	90.	3.33	61.	1100. RPM	
						FED 3-MODE					
						HI SPEED	79.	3.23	2309.	21.0 DYNO HP	
						LO SPEED	113.	2.67	2242.	9.0 DYNO HP	
						IDLE - D	134.	4.90	96.		
						IDLE - N	104.	4.64	56.		
COMMENTS: PLUG EGR - BYPASS SPARK DELAY - LEAN BEST IDLE - DISC. AIR PUMP											
6	6036	1976	FORD	PINT	140	1975 FTP	.72	2.93	475.0	1.82	18.42
						HWY FET	.27	.44	337.7	2.72	26.11
	IDLE HC,PPM/HEXANE 10.					FED S CY	.45	.34	383.2	1.32	
	IDLE CO,PCT (MEAS) .01					NY/NJ	.52	.35	560.7	2.55	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	40.	0.00	483.	15.0 IND HP	
						LO SPEED	30.	0.00	126.		
						IDLE	27.	0.00	61.	850. RPM	
						2-SPD IDLE					
						HI IDLE	17.	0.00	168.	2250. RPM	
						LO IDLE	21.	0.00	40.	1125. RPM	
						FED 3-MODE					
						HI SPEED	31.	0.00	404.	21.0 DYNO HP	
						LO SPEED	36.	0.00	273.	9.0 DYNO HP	
						IDLE - D	24.	0.00	51.		
						IDLE - N	13.	0.00	33.		
COMMENTS: LEAN BEST IDLE											

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	EMISSION RESULTS (GMS/MI) HC	CO	CO2	NOXC	FUEL ECON (MPG)
7	6036	1976	FORD	PINT	140	1975 FTP	1.99	41.52	404.4	.76	18.65
						HWY FET	1.19	17.69	301.4	1.07	26.67
	IDLE HC.PPM/HEXANE 5.					FED S CY	1.23	14.86	351.8	.39	
	IDLE CO.PCT (MEAS) .01					NY/NJ	1.81	21.26	488.9	.85	
	IDLE CO.PCT (SPEC) 99.99										
						KEY MODE	HC. PPM	CO. PCT	NOX. PPM		
						HI SPEED	97.	.88	268.	15.0 IND HP	
						LO SPEED	156.	1.77	749.		
						IDLE	139.	1.19	70.	800. RPM	
						2-SPD IDLE					
						HI IDLE	67.	1.51	177.	2250. RPM	
						LO IDLE	82.	1.07	58.	1090. RPM	
						FED 3-MODE					
						HI SPEED	77.	.89	667.	21.0 DYNO HP	
						LO SPEED	47.	.32	88.	9.0 DYNO HP	
						IDLE - D	153.	1.74	53.		
	COMMENTS: DISC. AIR PUMP BELT					IDLE - N	92.	1.06	38.		
8	6036	1976	FORD	[illegible]NT	140	1975 FTP	.65	6.71	449.9	3.72	19.19
						HWY FET	.22	.90	342.8	4.89	25.71
	IDLE HC.PPM/HEXANE 5.					FED S CY	.41	.56	364.3	3.85	
	IDLE CO.PCT (MEAS) .03					NY/NJ	.58	.82	503.8	4.36	
	IDLE CO.PCT (SPEC) 99.99										
						KEY MODE	HC. PPM	CO. PCT	NOX. PPM		
						HI SPEED	53.	.04	1940.	15.0 IND HP	
						LO SPEED	45.	0.00	469.		
						IDLE	28.	0.00	52.	810. RPM	
						2-SPD IDLE					
						HI IDLE	18.	0.00	156.	2250. RPM	
						LO IDLE	22.	0.00	33.	1050. RPM	
						FED 3-MODE					
						HI SPEED	32.	.09	1940.	21.0 DYNO HP	
						LO SPEED	45.	0.00	1807.	9.0 DYNO HP	
						IDLE - D	21.	0.00	82.		
	COMMENTS: EGR PLUGGED					IDLE - N	15.	0.00	51.		

APPENDIX D

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL CID	TEST TYPE	EMISSION RESULTS (GMS/MI) HC	CO	CO2	NOXC	FUEL ECON (MPG)
9	6036	1976	FORD	PINT 140	1975 FTP	.71	3.86	424.7	1.48	20.50
					HWY FET	.27	.42	318.4	1.94	27.70
	IDLE HC,PPM/HEXANE 0.				FED S CY	.43	.48	347.5	1.13	
	IDLE CO,PCT (MEAS) .01				NY/NJ	.58	.82	509.8	1.73	
	IDLE CO,PCT (SPEC) 99.99									
						HC,	CO,	NOX,		
					KEY MODE	PPM	PCT	PPM		
					HI SPEED	41.	0.00	473.	15.0 IND HP	
					LO SPEED	37.	0.00	868.		
					IDLE	21.	0.00	75.	900. RPM	
					2-SPD IDLE					
					HI IDLE	14.	0.00	249.	2250. RPM	
					LO IDLE	14.	0.00	44.	1100. RPM	
					FED 3-MODE					
					HI SPEED	33.	.03	960.	21.0 DYNO HP	
					LO SPEED	40.	0.00	278.	9.0 DYNO HP	
					IDLE - D	26.	0.00	59.		
					IDLE - N	15.	0.00	39.		
	COMMENTS: BYPASS SPARK DELAY									
1	6037	1976	FORD	MUST 140	1975 FTP	.47	3.51	509.0	1.21	17.20
					HWY FET	.12	.20	370.9	1.74	23.87
	IDLE HC,PPM/HEXANE 25.				FED S CY	.77	4.98	418.6	.67	
	IDLE CO,PCT (MEAS) .01				NY/NJ	.58	1.88	571.8	.91	
	IDLE CO,PCT (SPEC) 99.99									
						HC,	CO,	NOX,		
					KEY MODE	PPM	PCT	PPM		
					HI SPEED	59.	.08	245.	15.0 IND HP	
					LO SPEED	57.	.01	81.		
					IDLE	39.	0.00	49.	700. RPM	
					2-SPD IDLE					
					HI IDLE	22.	0.00	146.	2250. RPM	
					LO IDLE	25.	0.00	34.	870. RPM	
					FED 3-MODE					
					HI SPEED	9.	.03	601.	26.0 DYNO HP	
					LO SPEED	21.	.01	240.	12.0 DYNO HP	
					IDLE - D	13.	0.00	55.		
					IDLE - N	11.	0.00	39.		
	COMMENTS: LIMITER CAPS OK									

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	EMISSION RESULTS (GMS/MI) HC	CO	CO2	NOxC	FUEL ECON (MPG)
1	6038	1976	FORD	MUST	171	1975 FTP	.92	7.30	646.3	1.50	13.43
						HWY FET	.46	3.29	386.7	2.22	22.52
	IDLE HC.PPM/HEXANE 5.					FED S CY	.58	4.15	541.0	1.23	
	IDLE CO.PCT (MEAS) 0.00					NY/NJ	1.22	10.63	730.5	.95	
	IDLE CO.PCT (SPEC) 99.99										
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	37.	.08	353.	15.0 IND HP	
						LO SPEED	40.	.09	135.		
						IDLE	26.	.01	62.	850. RPM	
						2-SPD IDLE					
						HI IDLE	18.	.07	67.	2250. RPM	
						LO IDLE	18.	.01	56.	850. RPM	
						FED 3-MODE					
						HI SPEED	50.	.13	928.	26.0 DYNO HP	
						LO SPEED	46.	.08	383.	12.0 DYNO HP	
						IDLE - D	28.	.01	60.		
						IDLE - N	24.	.01	58.		
	COMMENTS: LIMITER CAP OK - THERMACTOR BY-PASS NOT BY-PASSING										
1	6039	1976	FORD	MAVE	250	1975 FTP	.45	1.52	643.6	2.02	13.71
						HWY FET	.14	.05	469.4	2.59	18.87
	IDLE HC.PPM/HEXANE 10.					FED S CY	.77	1.91	554.8	.99	
	IDLE CO.PCT (MEAS) .02					NY/NJ	1.63	37.10	692.3	1.34	
	IDLE CO.PCT (SPEC) 99.99										
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	19.	0.00	132.	24.0 IND HP	
						LO SPEED	20.	0.00	208.		
						IDLE	20.	0.00	50.	635. RPM	
						2-SPD IDLE					
						HI IDLE	27.	0.00	52.	2250. RPM	
						LO IDLE	14.	0.00	42.	835. RPM	
						FED 3-MODE					
						HI SPEED	20.	0.00	158.	26.0 DYNO HP	
						LO SPEED	24.	0.00	285.	12.0 DYNO HP	
						IDLE - D	21.	0.00	51.		
						IDLE - N	17.	0.00	39.		
	COMMENTS: LIMITER CAP OK - EGR VALVE 3IN LEAKDOWN										

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APPENDIX B

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
5	6039	1976	FORD	MAVE	250	1975 FTP	1.83	36.89	512.3	5.11	15.41
						HWY FET	1.06	22.94	397.2	6.37	20.33
	IDLE HC,PPM/HEXANE 25.					FED S CY	1.84	31.00	450.6	3.18	
	IDLE CO,PCT (MEAS) .35					NY/NJ	2.57	42.30	603.8	4.17	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	43.	.94	2309.	24.0 IND HP	
						LO SPEED	98.	3.95	845.		
						IDLE	109.	2.99	118.	670. RPM	
						2-SPD IDLE					
						HI IDLE	57.	3.86	176.	2250. RPM	
						LO IDLE	75.	3.73	58.	900. RPM	
						FED 3-MODE					
						HI SPEED	40.	.93	2025.	26.0 DYNO HP	
						LO SPEED	116.	3.73	1256.	12.0 DYNO HP	
						IDLE - D	127.	3.67	132.		
						IDLE - N	74.	2.38	60.		
COMMENTS: DISC AIR PUMP BELT - PLUG EGR - TIMING +4 - LEAN BEST IDLE											
6	6039	1976	FORD	MAVE	250	1975 FTP	.49	1.60	649.9	1.63	13.57
						HWY FET	.13	.03	465.3	2.39	19.05
	IDLE HC,PPM/HEXANE 10.					FED S CY	.64	5.46	527.4	.86	
	IDLE CO,PCT (MEAS) .02					NY/NJ	1.16	14.77	731.3	1.16	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	41.	0.00	535.	24.0 IND HP	
						LO SPEED	37.	0.00	84.		
						IDLE	36.	0.00	61.	620. RPM	
						2-SPD IDLE					
						HI IDLE	58.	0.00	56.	2250. RPM	
						LO IDLE	26.	0.00	40.	820. RPM	
						FED 3-MODE					
						HI SPEED	19.	0.00	607.	26.0 DYNO HP	
						LO SPEED	22.	0.00	291.	12.0 DYNO HP	
						IDLE - D	23.	0.00	75.		
						IDLE - N	17.	0.00	43.		
COMMENTS: LEAN BEST IDLE											

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
7	6039	1976	FORD	MAVE	250	1975 FTP	.45	1.78	616.1	5.48	14.31
						HWY FET	.14	.05	461.7	7.11	19.19
	IDLE HC.PPM/HEXANE 5.					FED S CY	.32	.17	532.2	3.31	
	IDLE CO.PCT (MEAS) 0.00					NY/NJ	.40	.23	717.9	4.25	
	IDLE CO.PCT (SPEC) 99.99						HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	27.	0.00	2051.	24.0 IND HP	
						LO SPEED	24.	0.00	673.		
						IDLE	14.	0.00	68.	650. RPM	
						2-SPD IDLE					
						HI IDLE	17.	0.00	148.	2250. RPM	
						LO IDLE	18.	0.00	52.	830. RPM	
						FED 3-MODE					
						HI SPEED	27.	0.00	2182.	26.0 DYNO HP	
						LO SPEED	30.	0.00	941.	12.0 DYNO HP	
						IDLE - D	18.	0.00	123.		
						IDLE - N	16.	0.00	58.		
	COMMENTS: EGR PLUGGED										
8	6039	1976	FORD	MAVE	250	1975 FTP	.45	1.19	636.5	2.53	13.87
						HWY FET	.16	.06	476.4	3.05	18.59
	IDLE HC.PPM/HEXANE 10.					FED S CY	.38	.08	573.1	1.15	
	IDLE CO.PCT (MEAS) .01					NY/NJ	.46	0.00	748.4	1.55	
	IDLE CO.PCT (SPEC) 99.99						HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	17.	0.00	882.	24.0 IND HP	
						LO SPEED	16.	0.00	224.		
						IDLE	13.	0.00	167.	690. RPM	
						2-SPD IDLE					
						HI IDLE	59.	0.00	67.	2250. RPM	
						LO IDLE	14.	0.00	54.	900. RPM	
						FED 3-MODE					
						HI SPEED	12.	0.00	885.	26.0 DYNO HP	
						LO SPEED	19.	0.00	370.	12.0 DYNO HP	
						IDLE - D	13.	0.00	159.		
						IDLE - N	11.	0.00	50.		
	COMMENTS: TIMING **										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
9	6039	1976	FORD	MAVE	250	1975 FTP	.99	26.42	622.0	.82	13.31
						HWY FET	.48	15.78	454.1	.95	18.46
	IDLE HC,PPM/HEXANE		10.			FED S CY	.62	7.27	534.9	.34	
	IDLE CO,PCT (MEAS)		.10			NY/NJ	.69	9.14	753.0	.60	
	IDLE CO,PCT (SPEC)		99.99								
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	16.	.06	327.	24.0 IND HP	
						LO SPEED	39.	.51	49.		
						IDLE	12.	.08	51.	650. RPM	
						2-SPD IDLE					
						HI IDLE	158.	.45	39.	2250. RPM	
						LO IDLE	15.	0.00	78.	820. RPM	
						FED 3-MODE					
						HI SPEED	4.	.16	183.	26.0 DYNO HP	
						LO SPEED	30.	.76	102.	12.0 DYNO HP	
						IDLE - D	2.	.11	38.		
						IDLE - N	0.	0.00	34.		
COMMENTS: DISC AIR PUMP BELT											
1	6040	1976	FORD	GRAN	250	1975 FTP	.89	3.02	558.0	1.85	15.69
						HWY FET	.20	.32	416.2	2.38	21.23
	IDLE HC,PPM/HEXANE		15.			FED S CY	1.42	12.76	430.5	1.24	
	IDLE CO,PCT (MEAS)		.01			NY/NJ	4.27	59.79	528.5	1.44	
	IDLE CO,PCT (SPEC)		99.99								
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	36.	.01	701.	24.0 IND HP	
						LO SPEED	35.	0.00	194.		
						IDLE	27.	0.00	33.	770. RPM	
						2-SPD IDLE					
						HI IDLE	17.	0.00	73.	2250. RPM	
						LO IDLE	20.	0.00	32.	550. RPM	
						FED 3-MODE					
						HI SPEED	27.	.01	680.	26.0 DYNO HP	
						LO SPEED	33.	0.00	346.	12.0 DYNO HP	
						IDLE - D	23.	0.00	35.		
						IDLE - N	21.	0.00	34.		
COMMENTS: LIMITER CAP MISSING - TIMING -3											

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
2	6040	1976	FORD	GRAN	250	1975 FTP	1.11	3.75	569.5	1.89	15.33
						HWY FET	.22	.23	435.7	2.52	20.28
	IDLE HC.PPM/HEXANE 300.					FED S CY	1.45	14.90	407.2	1.37	
	IDLE CO.PCT (MEAS) 5.70					NY/NJ	4.62	62.51	479.5	1.49	
	IDLE CO.PCT (SPEC) 99.99						HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	35.	0.00	676.	24.0 IND HP	
						LO SPEED	35.	0.00	187.		
						IDLE	25.	0.00	29.	650. RPM	
						2-SPD IDLE					
						HI IDLE	41.	0.00	60.	2250. RPM	
						LO IDLE	29.	0.00	23.	725. RPM	
						FED 3-MODE					
						HI SPEED	32.	0.00	688.	26.0 DYNO HP	
						LO SPEED	34.	0.00	300.	12.0 DYNO HP	
						IDLE - D	14.	0.00	31.		
						IDLE - N	15.	0.00	30.		
	COMMENTS: ADJUST TIMING										
3	6040	1976	FORD	GRAN	250	1975 FTP	.83	4.05	558.6	1.89	15.64
						HWY FET	.21	.21	416.0	2.19	21.28
	IDLE HC.PPM/HEXANE 275.					FED S CY	1.06	7.87	462.9	1.25	
	IDLE CO.PCT (MEAS) 5.50					NY/NJ	4.03	54.59	526.9	1.12	
	IDLE CO.PCT (SPEC) 99.99						HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	52.	.01	848.	24.0 IND HP	
						LO SPEED	43.	0.00	225.		
						IDLE	29.	0.00	32.	820. RPM	
						2-SPD IDLE					
						HI IDLE	27.	0.00	57.	2250. RPM	
						LO IDLE	27.	0.00	30.	860. RPM	
						FED 3-MODE					
						HI SPEED	35.	0.00	811.	24.0 DYNO HP	
						LO SPEED	35.	0.00	305.	12.0 DYNO HP	
						IDLE - D	24.	0.00	42.		
						IDLE - N	21.	0.44	41.		
	COMMENTS: ADJUST ICG										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	EMISSION RESULTS (GMS/MI) HC	CO	CO2	NOXC	FUEL ECON (MPG)
1	6041	1976	FORD	MAVE	250	1975 FTP	.77	2.07	645.9	2.14	13.62
						HWY FET	.18	.11	455.6	2.72	19.42
	IDLE HC,PPM/HEXANE 5.					FED S CY	.47	3.45	537.3	1.06	
	IDLE CO,PCT (MEAS) 0.00					NY/NJ	1.22	25.87	719.4	1.44	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	24.	0.00	300.	15.0 IND HP	
						LO SPEED	20.	0.00	45.		
						IDLE	21.	0.00	65.	715. RPM	
						2-SPD IDLE					
						HI IDLE	44.	0.00	50.	2250. RPM	
						LO IDLE	19.	0.00	48.	1010. RPM	
						FED 3-MODE					
						HI SPEED	17.	0.00	860.	26.0 DYNO HP	
						LO SPEED	24.	0.00	265.	12.0 DYNO HP	
						IDLE - D	17.	0.00	93.		
						IDLE - N	12.	0.00	106.		
	COMMENTS: LIMITER CAP MISSING - TIMING +5 - CHOKE MISADJ										
2	6041	1976	FORD	MAVE	250	1975 FTP	.52	1.84	670.6	1.97	13.15
						HWY FET	.13	.07	463.9	2.31	19.08
	IDLE HC,PPM/HEXANE 75.					FED S CY	.41	3.23	561.3	1.02	
	IDLE CO,PCT (MEAS) 0.00					NY/NJ	.40	0.00	710.7	1.27	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	26.	0.00	286.	15.0 IND HP	
						LO SPEED	13.	0.00	108.		
						IDLE	21.	0.00	67.	720. RPM	
						2-SPD IDLE					
						HI IDLE	54.	0.00	56.	2250. RPM	
						LO IDLE	16.	0.00	50.	990. RPM	
						FED 3-MODE					
						HI SPEED	12.	0.00	730.	26.0 DYNO HP	
						LO SPEED	14.	0.00	305.	12.0 DYNO HP	
						IDLE - D	11.	0.00	83.		
						IDLE - N	6.	0.00	59.		
	COMMENTS: ADJ TIMING, CHOKE										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	---- EMISSION RESULTS (GMS/MI) ---- HC	CO	CO2	NOXC	FUEL ECON (MPG)
1	6042	1976	FORD	MAVE	250	1975 FTP	.84	15.64	595.8	1.65	14.25
						HWY FET	.13	.28	433.9	2.06	20.41
	IDLE HC.PPM/HEXANE 30.					FED S CY	.58	6.86	503.2	.76	
	IDLE CO.PCT (MEAS) .03					NY/NJ	2.22	61.80	593.0	.91	
	IDLE CO.PCT (SPEC) 99.99										
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	56.	0.00	596.	24.0 IND HP	
						LO SPEED	43.	0.00	112.		
						IDLE	44.	0.00	34.	560. RPM	
						2-SPD IDLE					
						HI IDLE	55.	.01	50.	2250. RPM	
						LO IDLE	54.	0.00	29.	790. RPM	
						FED 3-MODE					
						HI SPEED	51.	0.00	537.	26.0 DYNO HP	
						LO SPEED	44.	0.00	199.	12.0 DYNO HP	
						IDLE - D	43.	0.00	89.		
						IDLE - N	41.	0.00	45.		
	COMMENTS: LIMITER CAP MISSING										
3	6042	1976	FORD	MAVE	250	1975 FTP	.42	2.15	597.8	1.67	14.73
						HWY FET	.13	.04	438.2	2.08	20.20
	IDLE HC.PPM/HEXANE 10.					FED S CY	.28	0.00	505.4	.97	
	IDLE CO.PCT (MEAS) .01					NY/NJ	.34	1.06	666.1	1.31	
	IDLE CO.PCT (SPEC) 99.99										
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	39.	0.00	610.	24.0 IND HP	
						LO SPEED	32.	0.00	109.		
						IDLE	28.	0.00	65.	630. RPM	
						2-SPD IDLE					
						HI IDLE	18.	0.00	49.	2250. RPM	
						LO IDLE	16.	0.00	39.	790. RPM	
						FED 3-MODE					
						HI SPEED	22.	0.00	584.	26.0 DYNO HP	
						LO SPEED	27.	0.00	223.	12.0 DYNO HP	
						IDLE - D	21.	0.00	61.		
						IDLE - N	18.	0.00	93.		
	COMMENTS: ADJUST IDLE										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC		FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----					
1	6043	1976	FORD	MAVE	250	1975 FTP	.40	1.57	647.6	2.21		13.63
						HWY FET	.12	.02	470.1	2.66		18.83
	IDLE HC,PPM/HEXANE 30.					FED S CY	.23	0.00	547.6	1.20		
	IDLE CO,PCT (MEAS) .25					NY/NJ	.29	0.00	740.2	1.51		
	IDLE CO,PCT (SPEC) 99.99											
							HC,	CO,	NOX,			
						KEY MODE	PPM	PCT	PPM			
						HI SPEED	30.	0.00	279.	15.0	IND HP	
						LO SPEED	20.	0.00	43.			
						IDLE	23.	0.00	111.	700.	RPM	
						2-SPD IDLE						
						HI IDLE	46.	0.00	57.	2250.	RPM	
						LO IDLE	19.	0.00	54.	900.	RPM	
						FED 3-MODE						
						HI SPEED	15.	0.00	726.	26.0	DYNO HP	
						LO SPEED	20.	0.00	328.	12.0	DYNO HP	
						IDLE - D	16.	0.00	133.			
						IDLE - N	14.	0.00	171.			
	COMMENTS: LIMITER CAPS OK TIMING +3 CHOKE MISADJUSTED											
2	6043	1976	FORD	MAVE	250	1975 FTP	.37	1.45	650.1	1.80		13.58
						HWY FET	.08	.01	471.4	2.16		18.80
	IDLE HC,PPM/HEXANE 20.					FED S CY	.30	.91	551.2	.87		
	IDLE CO,PCT (MEAS) 0.00					NY/NJ	.29	0.00	744.3	1.07		
	IDLE CO,PCT (SPEC) 99.99											
							HC,	CO,	NOX,			
						KEY MODE	PPM	PCT	PPM			
						HI SPEED	23.	0.00	303.	15.0	IND HP	
						LO SPEED	18.	0.00	74.			
						IDLE	20.	0.00	120.	860.	RPM	
						2-SPD IDLE						
						HI IDLE	27.	0.00	53.	2250.	RPM	
						LO IDLE	15.	0.00	51.	870.	RPM	
						FED 3-MODE						
						HI SPEED	12.	0.00	674.	26.0	DYNO HP	
						LO SPEED	16.	0.00	279.	12.0	DYNO HP	
						IDLE - D	16.	0.00	130.			
						IDLE - N	12.	0.00	55.			
	COMMENTS: ADJUST TIMING AND CHOKE											

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL CID	TEST TYPE	---- EMISSION RESULTS (GMS/MI) ---- HC	CO	CO2	NOXC	FUEL ECON (MPG)
1	6044	1975	FORD	GRAN 302	1975 FTP	1.08	5.62	812.7	1.67	10.76
					HWY FET	.25	.63	546.8	1.60	16.47
	IDLE HC.PPM/HEXANE 0.				FED 5 CY	.64	6.16	660.6	1.08	
	IDLE CO.PCT (MEAS) .02				NY/NJ	1.28	41.24	823.1	1.03	
	IDLE CO.PCT (SPEC) 99.99									
						HC. PPM	CO. PCT	NOX. PPM		
					KEY MODE					
					HI SPEED	38.	.03	409.	24.0 IND HG	
					LO SPEED	27.	0.00	153.		
					IDLE	19.	0.00	147.	800. PPM	
					2-SPD IDLE					
					HI IDLE	41.	0.00	79.	2250. PPM	
					LO IDLE	14.	0.00	78.	1000. PPM	
					FED 3-MODE					
					HI SPEED	28.	.03	396.	26.0 DYNO HP	
					LO SPEED	27.	.01	228.	12.0 DYNO HP	
					IDLE - D	14.	0.00	188.		
					IDLE - N	10.	0.00	145.		
COMMENTS: LIMITER CAPS OK - TIMING -2 AIR CLNR. VAC MOTOR LEAK - OK WITH CONSTANT VAC										
2	6044	1975	FORD	GRAN 302	1975 FTP	.71	2.42	804.2	1.73	10.95
					HWY FET	.31	.55	540.4	1.[illegible]	16.34
	IDLE HC.PPM/HEXANE 30.				FED 5 CY	.51	.21	653.6	1.27	
	IDLE CO.PCT (MEAS) .15				NY/NJ	.64	.35	733.5	1.50	
	IDLE CO.PCT (SPEC) 99.99									
						HC. PPM	CO. PCT	NOX. PPM		
					KEY MODE					
					HI SPEED	56.	.04	353.	24.0 IND HG	
					LO SPEED	41.	0.00	149.		
					IDLE	29.	0.00	174.	900. PPM	
					2-SPD IDLE					
					HI IDLE	44.	0.00	88.	2250. PPM	
					LO IDLE	26.	0.00	79.	1000. PPM	
					FED 3-MODE					
					HI SPEED	41.	.04	396.	26.0 DYNO HP	
					LO SPEED	34.	0.00	243.	12.0 DYNO HP	
					IDLE - D	25.	0.00	120.		
					IDLE - N	22.	0.00	140.		
COMMENTS: ALL TIMING TO SPEC										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
						---- EMISSION RESULTS (GMS/MI) ----				
1	6045	1976	FORD	GRAN 302	1975 FTP	.80	3.70	769.3	1.59	11.41
					HWY FET	.29	.53	509.9	1.69	17.33
	IDLE HC.PPM/HEXANE 110.				FED 5 CY	.47	.21	625.5	1.20	
	IDLE CO.PCT (MEAS) 1.00				NY/NJ	.69	.35	897.1	1.40	
	IDLE CO.PCT (SPEC) 99.99									
						HC.	CO.	NOX.		
					KEY MODE	PPM	PCT	PPM		
					HI SPEED	34.	.02	413.	24.0 IND HP	
					LO SPEED	27.	0.00	165.		
					IDLE	18.	0.00	144.	800. RPM	
					2-SPD IDLE					
					HI IDLE	55.	0.00	75.	2250. RPM	
					LO IDLE	7.	0.00	71.	1180. RPM	
					FED 3-MODE					
					HI SPEED	33.	.02	469.	26.0 DYNO HP	
					LO SPEED	27.	0.00	217.	12.0 DYNO HP	
					IDLE - D	17.	0.00	174.		
					IDLE - N	11.	0.00	170.		
	COMMENTS: LIMITER CAPS OK									
1	6046	1976	FORD	GRAN 351	1975 FTP	.63	1.26	677.3	2.02	13.03
					HWY FET	.39	.10	512.1	2.64	17.27
	IDLE HC.PPM/HEXANE 24.				FED 5 CY	1.73	2.22	569.7	1.61	
	IDLE CO.PCT (MEAS) 0.00				NY/NJ	6.67	42.54	693.2	1.87	
	IDLE CO.PCT (SPEC) 99.99									
						HC.	CO.	NOX.		
					KEY MODE	PPM	PCT	PPM		
					HI SPEED	46.	0.00	778.	24.0 IND HP	
					LO SPEED	52.	0.00	252.		
					IDLE	40.	0.00	62.	710. RPM	
					2-SPD IDLE					
					HI IDLE	346.	0.00	110.	2250. RPM	
					LO IDLE	89.	0.00	44.	780. RPM	
					FED 3-MODE					
					HI SPEED	62.	0.00	831.	26.0 DYNO HP	
					LO SPEED	55.	0.00	494.	12.0 DYNO HP	
					IDLE - D	24.	0.00	46.		
					IDLE - N	17.	0.00	41.		
	COMMENTS: LIMITER CAPS MISSING - SLIGHT THERMACTOR BYPASS AT IDLE									

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL CID	TEST TYPE	---- EMISSION RESULTS (GMS/MI) ---- HC	CO	CO2	NOXC	FUEL ECON (MPG)
1	A047	1976	FORD	TORI 351	1975 FTP	.67	6.56	828.6	1.44	10.58
					HWY FET	.16	.43	551.9	<.01	16.03
	IDLE HC.PPM/HEXANE 25.				FED S CY	.41	.43	632.0	1.60	
	IDLE CO.PCT (MEAS) .02				NY/NJ	.34	.11	911.0	1.59	
	IDLE CO.PCT (SPEC) 99.99					HC.	CO.	NOX.		
					KEY MODE	PPM	PCT	PPM		
					HI SPEED	15.	.01	423.	30.0 IND HP	
					LO SPEED	17.	0.00	<25.		
					IDLE	13.	0.00	47.	500. RPM	
					<-SPD IDLE					
					HI IDLE	21.	0.00	44.	2250. RPM	
					LO IDLE	13.	0.00	53.	600. RPM	
					FED 3-MODE					
					HI SPEED	18.	.01	410.	31.0 DYNO HP	
					LO SPEED	20.	0.00	337.	15.0 DYNO HP	
					IDLE - D	14.	0.00	100.		
					IDLE - N	40.	0.00	60.		
COMMENTS: LIMITER CAPS OR - TIMING -6DEGREES										
2	A047	1976	FORD	TORI 351	1975 FTP	.58	4.43	771.3	1.99	11.18
					HWY FET	.19	.44	492.2	1.95	19.12
	IDLE HC.PPM/HEXANE 25.				FED S CY	.38	.08	627.6	1.87	
	IDLE CO.PCT (MEAS) .02				NY/NJ	.40	.21	885.0	1.76	
	IDLE CO.PCT (SPEC) 99.99					HC.	CO.	NOX.		
					KEY MODE	PPM	PCT	PPM		
					HI SPEED	21.	.01	382.	30.0 IND HP	
					LO SPEED	21.	0.00	104.		
					IDLE	14.	0.00	104.	600. RPM	
					<-SPD IDLE					
					HI IDLE	17.	0.00	87.	2250. RPM	
					LO IDLE	20.	0.00	50.	1500. RPM	
					FED 3-MODE					
					HI SPEED	27.	.01	428.	31.0 DYNO HP	
					LO SPEED	27.	.01	340.	15.0 DYNO HP	
					IDLE - D	18.	0.00	147.		
					IDLE - N	20.	0.00	40.		
COMMENTS: ADJUST TIMING										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
1	6048	1976	FORD	ELIT	351	1975 FTP	.51	2.73	805.5	2.10	10.94
						HWY FET	.22	.64	514.7	2.19	17.18
	IDLE HC,PPM/HEXANE 20.					FED S CY	.34	.26	647.8	2.05	
	IDLE CO,PCT (MEAS) .02					NY/NJ	.40	.11	913.6	1.77	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	25.	.03	553.	30.0 IND HP	
						LO SPEED	22.	0.00	273.		
						IDLE	17.	0.00	121.	690. RPM	
						2-SPD IDLE					
						HI IDLE	18.	.01	119.	2250. RPM	
						LO IDLE	28.	0.00	64.	920. RPM	
						FED 3-MODE					
						HI SPEED	28.	.02	509.	31.0 DYNO HP	
						LO SPEED	30.	0.00	376.	15.0 DYNO HP	
						IDLE - D	22.	0.00	108.		
						IDLE - N	23.	0.00	60.		
	COMMENTS: LIMITER CAPS OK										
4	6048	1976	FORD	ELIT	351	1975 FTP	.53	2.71	795.3	2.14	11.08
						HWY FET	.23	.74	520.6	2.31	16.98
	IDLE HC,PPM/HEXANE 20.					FED S CY	.34	.21	644.1	2.41	
	IDLE CO,PCT (MEAS) .03					NY/NJ	.34	.11	688.9	1.80	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	25.	.03	579.	30.0 IND HP	
						LO SPEED	23.	.01	289.		
						IDLE	18.	0.00	133.	710. RPM	
						2-SPD IDLE					
						HI IDLE	30.	0.00	105.	2250. RPM	
						LO IDLE	24.	0.00	57.	1070. RPM	
						FED 3-MODE					
						HI SPEED	26.	.03	546.	31.0 DYNO HP	
						LO SPEED	29.	.01	358.	15.0 DYNO HP	
						IDLE - D	18.	0.00	122.		
						IDLE - N	17.	0.00	68.		
	COMMENTS: MAJOR TUNE-UP REPLACE AIR FILTER, LUBE ENGINE COOLANT AND CRANKCASE VENT FILTER										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
1	6049	1976	FORD	TORI	351	1975 FTP	.78	5.11	790.9	2.35	11.08
						HWY FET	.23	.89	435.4	2.27	20.28
	IDLE HC.PPM/HEXANE 15.					FED S CY	.64	2.84	625.4	2.73	
	IDLE CO.PCT (MEAS) .01					NY/NJ	1.46	20.55	829.8	2.21	
	IDLE CO.PCT (SPEC) 99.99										
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	36.	.02	725.	30.0 IND HP	
						LO SPEED	33.	.02	309.		
						IDLE	26.	0.00	76.	625. RPM	
						2-SPD IDLE					
						HI IDLE	31.	.01	94.	2250. RPM	
						LO IDLE	32.	0.00	47.	835. RPM	
						FED 3-MODE					
						HI SPEED	38.	.03	658.	31.0 DYNO HP	
						LO SPEED	40.	.02	564.	15.0 DYNO HP	
						IDLE - D	28.	0.00	80.		
						IDLE - N	25.	0.00	50.		
	COMMENTS: LIMITER CAPS OK - CHOKE MISADJUSTED - TIMING -4										
2	6049	1976	FORD	TORI	351	1975 FTP	.64	4.44	774.7	2.15	11.33
						HWY FET	.28	.94	520.2	2.68	16.98
	IDLE HC.PPM/HEXANE 15.					FED S CY	.88	3.54	621.2	2.49	
	IDLE CO.PCT (MEAS) .02					NY/NJ	1.81	30.96	852.6	2.21	
	IDLE CO.PCT (SPEC) 99.99										
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	51.	.02	800.	30.0 IND HP	
						LO SPEED	40.	.02	233.		
						IDLE	32.	0.00	55.	640. RPM	
						2-SPD IDLE					
						HI IDLE	35.	.01	102.	2250. RPM	
						LO IDLE	32.	0.00	51.	900. RPM	
						FED 3-MODE					
						HI SPEED	45.	.03	779.	31.0 DYNO HP	
						LO SPEED	45.	.02	545.	15.0 DYNO HP	
						IDLE - D	30.	0.00	85.		
						IDLE - N	28.	0.00	55.		
	COMMENTS: ADJ CHOKE AND TIMING										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
						---- EMISSION RESULTS (GMS/MI) ----				
3	6049	1976	FORD	TORI 351	1975 FTP	.64	3.49	766.3	2.76	11.47
					HWY FET	.28	.81	520.2	3.01	16.98
	IDLE HC,PPM/HEXANE 5.				FED S CY	.49	.26	632.9	2.52	
	IDLE CO,PCT (MEAS) .01				NY/NJ	.64	.82	909.9	2.11	
	IDLE CO,PCT (SPEC) 99.99									
						HC,	CO,	NOX,		
					KEY MODE	PPM	PCT	PPM		
					HI SPEED	36.	.02	770.	30.0 IND HP	
					LO SPEED	38.	0.00	433.		
					IDLE	28.	0.00	112.	670. RPM	
					2-SPD IDLE					
					HI IDLE	39.	.01	100.	2250. RPM	
					LO IDLE	52.	0.00	61.	1020. RPM	
					FED 3-MODE					
					HI SPEED	20.	.02	733.	31.0 DYNO HP	
					LO SPEED	24.	.01	592.	15.0 DYNO HP	
					IDLE - D	9.	0.00	113.		
					IDLE - N	23.	0.00	62.		
COMMENTS: ADJ ICO										
4	6049	1976	FORD	TORI 351	1975 FTP	.61	2.91	787.8	3.31	11.17
					HWY FET	.31	1.11	531.1	3.66	16.61
	IDLE HC,PPM/HEXANE 15.				FED S CY	.56	.34	630.9	3.47	
	IDLE CO,PCT (MEAS) .01				NY/NJ	.64	.35	903.6	3.04	
	IDLE CO,PCT (SPEC) 99.99									
						HC,	CO,	NOX,		
					KEY MODE	PPM	PCT	PPM		
					HI SPEED	28.	.01	820.	30.0 IND HP	
					LO SPEED	24.	0.00	426.		
					IDLE	14.	0.00	129.	610. RPM	
					2-SPD IDLE					
					HI IDLE	36.	0.00	113.	2250. RPM	
					LO IDLE	37.	0.00	66.	980. RPM	
					FED 3-MODE					
					HI SPEED	30.	.01	854.	31.0 DYNO HP	
					LO SPEED	34.	0.00	739.	15.0 DYNO HP	
					IDLE - D	16.	0.00	171.		
					IDLE - N	30.	0.00	76.		
COMMENTS: MAJOR TUNE-UP - REPL AIR AND CRANKCASE VENT FILTERS										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
1	6050	1976	FORD	TORI	351	1975 FTP	.62	2.47	830.6	1.79	10.61
						HWY FET	.24	.65	554.4	1.95	15.95
	IDLE HC.PPM/HEXANE 15.					FED S CY	.56	.17	654.8	1.56	
	IDLE CO.PCT (MEAS) .02					NY/NJ	.71	.11	918.1	1.33	
	IDLE CO.PCT (SPEC) 99.99										
							HC. PPM	CO. PCT	NOX. PPM	-	
						KEY MODE					
						HI SPEED	28.	.01	473.	30.0 IND HP	
						LO SPEED	30.	0.00	260.		
						IDLE	21.	0.00	56.	630. RPM	
						2-SPD IDLE					
						HI IDLE	77.	0.00	83.	2250. RPM	
						LO IDLE	72.	0.00	40.	840. RPM	
						FED 3-MODE					
						HI SPEED	17.	.01	456.	31.0 DYNO HP	
						LO SPEED	22.	0.00	304.	15.0 DYNO HP	
						IDLE - D	17.	0.00	62.		
						IDLE - N	24.	0.00	41.		
	COMMENTS: LIMITER CAPS OK - TIMING -3										
2	6050	1976	FORD	TORI	351	1975 FTP	.62	2.45	809.0	2.04	10.89
						HWY FET	.26	.68	543.4	2.25	16.26
	IDLE HC.PPM/HEXANE 15.					FED S CY	.58	.12	682.0	1.97	
	IDLE CO.PCT (MEAS) .03					NY/NJ	.58	.11	887.2	1.61	
	IDLE CO.PCT (SPEC) 99.99										
							HC. PPM	CO. PCT	NOX. PPM		
						KEY MODE					
						HI SPEED	17.	.02	593.	30.0 IND HP	
						LO SPEED	15.	0.00	263.		
						IDLE	12.	0.00	67.	675. RPM	
						2-SPD IDLE					
						HI IDLE	70.	0.00	86.	2250. RPM	
						LO IDLE	48.	0.00	40.	900. RPM	
						FED 3-MODE					
						HI SPEED	18.	.01	462.	31.0 DYNO HP	
						LO SPEED	23.	0.00	401.	15.0 DYNO HP	
						IDLE - D	15.	0.00	72.		
						IDLE - N	45.	0.00	49.		
	COMMENTS: ADJ. TIMING										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL CID	TEST TYPE	EMISSION RESULTS (GMS/MI) HC	CO	CO2	NOXC	FUEL ECON (MPG)
1	6051	1976	FORD	TORI 351	1975 FTP	.58	3.42	839.9	2.08	10.48
					HWY FET	.21	.81	578.3	2.06	15.29
	IDLE HC,PPM/HEXANE 5.				FED S CY	.73	.17	673.9	2.07	
	IDLE CO,PCT (MEAS) 0.00				NY/NJ	.75	.11	888.5	1.63	
	IDLE CO,PCT (SPEC) 99.99									
						HC,	CO,	NOX,		
					KEY MODE	PPM	PCT	PPM		
					HI SPEED	21.	.01	395.	30.0 IND HP	
					LO SPEED	23.	0.00	243.		
					IDLE	28.	0.00	56.	610. RPM	
					2-SPD IDLE					
					HI IDLE	37.	0.00	97.	2250. RPM	
					LO IDLE	64.	0.00	40.	800. RPM	
					FED 3-MODE					
					HI SPEED	16.	.02	374.	31.0 DYNO HP	
					LO SPEED	22.	.01	342.	15.0 DYNO HP	
					IDLE - D	27.	0.00	48.		
					IDLE - N	116.	0.00	44.		
	COMMENTS: LIMITER CAPS OK									
4	6051	1976	FORD	TORI 351	1975 FTP	.52	3.72	877.4	1.89	10.03
					HWY FET	.15	.79	594.7	2.00	14.87
	IDLE HC,PPM/HEXANE 5.				FED S CY	.43	.25	695.0	1.83	
	IDLE CO,PCT (MEAS) .03				NY/NJ	.56	.18	964.5	1.68	
	IDLE CO,PCT (SPEC) 99.99									
						HC,	CO,	NOX,		
					KEY MODE	PPM	PCT	PPM		
					HI SPEED	15.	.01	335.	30.0 IND HP	
					LO SPEED	19.	0.00	248.		
					IDLE	17.	0.00	69.	700. RPM	
					2-SPD IDLE					
					HI IDLE	69.	0.00	90.	2250. RPM	
					LO IDLE	54.	0.00	49.	1050. RPM	
					FED 3-MODE					
					HI SPEED	12.	.01	366.	31.0 DYNO HP	
					LO SPEED	17.	0.00	319.	15.0 DYNO HP	
					IDLE - D	13.	0.00	81.		
					IDLE - N	28.	0.00	51.		
	COMMENTS: MAJOR TUNE-UP - REPL AIR AND CRANKCASE VENT FILTERS									

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	---- EMISSION RESULTS (GMS/MI) ---- HC	CO	CO2	NOXC	FUEL ECON (MPG)
1	6052	1976	FORD	TORI	351	1975 FTP	.69	4.63	877.6	1.48	10.01
						HWY FET	.17	1.03	613.6	1.62	14.41
	IDLE HC.PPM/HEXANE 35.					FED S CY	.54	.78	703.5	1.22	
	IDLE CO.PCT (MEAS) .04					NY/NJ	.64	2.00	941.1	1.16	
	IDLE CO.PCT (SPEC) 99.99										
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	27.	.01	337.	30.0 IND HP	
						LO SPEED	34.	0.00	205.		
						IDLE	32.	0.00	67.	640. RPM	
						2-SPD IDLE					
						HI IDLE	40.	0.00	82.	2250. RPM	
						LO IDLE	23.	0.00	54.	800. RPM	
						FED 3-MODE					
						HI SPEED	17.	.02	335.	31.0 DYNO HP	
						LO SPEED	22.	0.00	252.	15.0 DYNO HP	
						IDLE - D	23.	0.00	72.		
						IDLE - N	14.	0.00	48.		
	COMMENTS: LIMITER CAPS MISSING - TIMING-6										
2	6052	1976	FORD	TORI	351	1975 FTP	.70	2.30	788.7	1.75	11.17
						HWY FET	.22	.94	541.3	1.97	14.95
	IDLE HC.PPM/HEXANE 25.					FED S CY	.49	.26	660.4	1.41	
	IDLE CO.PCT (MEAS) .02					NY/NJ	.69	2.00	861.0	1.33	
	IDLE CO.PCT (SPEC) 99.99										
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	13.	.01	471.	30.0 IND HP	
						LO SPEED	14.	0.00	258.		
						IDLE	17.	0.00	88.	670. RPM	
						2-SPD IDLE					
						HI IDLE	34.	0.00	99.	2250. RPM	
						LO IDLE	21.	0.00	57.	960. RPM	
						FED 3-MODE					
						HI SPEED	17.	.03	479.	31.0 DYNO HP	
						LO SPEED	26.	0.00	386.	15.0 DYNO HP	
						IDLE - D	25.	0.00	99.		
						IDLE - N	17.	0.00	59.		
	COMMENTS: ADJ. TIMING										

APPENDIX H

LISTING OF SELF-DIAGNOSTIC TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
1	6053	1976	FORD	LTD	351	1975 FTP	.93	11.38	936.8	1.28	9.27
						HWY FET	.11	1.71	605.0	1.29	14.58
	IDLE HC,PPM/HEXANE 20.					FED S CY	.28	1.22	745.9	1.10	
	IDLE CO,PCT (MEAS) .25					NY/NJ	.69	.35	908.4	1.11	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	14.	.03	263.	30.0 IND HP	
						LO SPEED	18.	0.00	180.		
						IDLE	16.	0.00	133.	550. RPM	
						2-SPD IDLE					
						HI IDLE	15.	0.00	92.	2250. RPM	
						LO IDLE	13.	0.00	73.	620. RPM	
						FED 3-MODE					
						HI SPEED	7.	0.00	274.	31.0 DYNO HP	
						LO SPEED	12.	0.00	222.	15.0 DYNO HP	
						IDLE - D	12.	0.00	136.		
						IDLE - N	8.	0.00	76.		
COMMENTS: LIMITER CAPS OK - TIMING -4											
2	6053	1976	FORD	LTD	351	1975 FTP	.32	4.49	722.9	1.26	12.14
						HWY FET	.12	.78	574.8	1.56	15.38
	IDLE HC,PPM/HEXANE 20.					FED S CY	.30	.30	726.9	1.55	
	IDLE CO,PCT (MEAS) .03					NY/NJ	.29	.11	967.5	1.46	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	17.	.01	411.	30.0 IND HP	
						LO SPEED	18.	0.00	229.		
						IDLE	10.	0.00	77.	1030. RPM	
						2-SPD IDLE					
						HI IDLE	11.	0.00	103.	2250. RPM	
						LO IDLE	10.	0.00	75.	1010. RPM	
						FED 3-MODE					
						HI SPEED	11.	.01	455.	31.0 DYNO HP	
						LO SPEED	15.	0.00	308.	15.0 DYNO HP	
						IDLE - D	11.	0.00	166.		
						IDLE - N	8.	0.00	75.		
COMMENTS: ADJ TIMING											

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	EMISSION RESULTS (GMS/MI) HC	CO	CO2	NOXC	FUEL ECON (MPG)
1	6054	1976	FORD	LTD	351	1975 FTP	1.29	4.69	788.5	1.37	11.10
						HWY FET	.18	.72	508.1	1.36	17.39
	IDLE HC.PPM/HEXANE 25.					FED S CY	.38	.83	637.9	1.16	
	IDLE CO.PCT (MEAS) .03					NY/NJ	.52	3.30	886.7	1.05	
	IDLE CO.PCT (SPEC) 99.99										
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	28.	.01	562.	30.0 IND HP	
						LO SPEED	31.	0.00	355.		
						IDLE	26.	0.00	100.	680. RPM	
						2-SPD IDLE					
						HI IDLE	101.	0.00	115.	2250. RPM	
						LO IDLE	59.	0.00	54.	1010. RPM	
						FED 3-MODE					
						HI SPEED	22.	.01	572.	31.0 DYNO HP	
						LO SPEED	24.	0.00	406.	15.0 DYNO HP	
						IDLE - D	21.	0.00	98.		
						IDLE - N	36.	.60	39.		
	COMMENTS: LIMITER CAPS MISSING - SPARK DELAY +10 SEC.										
	CRANKCASE VENT HOSE DISC.- NO FAILURE										
3	6054	1976	FORD	LTD	351	1975 FTP	.77	5.42	816.5	1.81	10.73
						HWY FET	.23	.74	541.6	1.92	16.31
	IDLE HC.PPM/HEXANE 25.					FED S CY	.49	.78	663.8	1.64	
	IDLE CO.PCT (MEAS) .01					NY/NJ	.52	1.29	883.9	1.41	
	IDLE CO.PCT (SPEC) 99.99										
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	14.	.01	654.	30.0 IND HP	
						LO SPEED	12.	0.00	331.		
						IDLE	14.	0.00	123.	650. RPM	
						2-SPD IDLE					
						HI IDLE	58.	.01	82.	2250. RPM	
						LO IDLE	62.	0.00	59.	950. RPM	
						FED 3-MODE					
						HI SPEED	15.	.03	513.	31.0 DYNO HP	
						LO SPEED	18.	0.00	401.	15.0 DYNO HP	
						IDLE - D	11.	0.00	105.		
						IDLE - N	28.	0.00	67.		
	COMMENTS: ADJ ICO - RECON CRANKCASE VENT HOSE										

APPENDIX M

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
1	6055	1976	FORD	LTD	400	1975 FTP	.63	8.67	960.9	1.47	9.09
						HWY FET	.14	.88	586.8	2.07	15.06
	IDLE HC,PPM/HEXANE 15.					FED S CY	.41	1.13	764.5	2.08	
	IDLE CO,PCT (MEAS) .02					NY/NJ	.29	.58	998.3	1.31	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	13.	.02	916.	30.0 IND HP	
						LO SPEED	13.	0.00	396.		
						IDLE	8.	0.00	151.	690. RPM	
						2-SPD IDLE					
						HI IDLE	23.	0.00	112.	2250. RPM	
						LO IDLE	9.	0.00	63.	890. RPM	
						FED 3-MODE					
						HI SPEED	18.	.02	858.	31.0 DYNO HP	
						LO SPEED	26.	0.00	662.	15.0 DYNO HP	
						IDLE - D	17.	0.00	139.		
						IDLE - N	15.	0.00	71.		
	COMMENTS: LIMITER CAPS OK										
1	6056	1976	FORD	MAVE	250	1975 FTP	.75	2.33	556.7	2.12	15.77
						HWY FET	.21	.04	416.1	2.96	21.28
	IDLE HC,PPM/HEXANE 45.					FED S CY	1.10	8.31	452.3	1.20	
	IDLE CO,PCT (MEAS) .01					NY/NJ	2.98	53.51	567.1	1.72	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	34.	0.00	294.	15.0 IND HP	
						LO SPEED	36.	0.00	214.		
						IDLE	56.	0.00	33.	600. RPM	
						2-SPD IDLE					
						HI IDLE	25.	0.00	59.	2250. RPM	
						LO IDLE	31.	0.00	31.	800. RPM	
						FED 3-MODE					
						HI SPEED	26.	0.00	959.	26.0 DYNO HP	
						LO SPEED	25.	0.00	280.	12.0 DYNO HP	
						IDLE - D	35.	0.00	33.		
						IDLE - N	15.	0.00	21.		
	COMMENTS: LIMITER CAP MISSING - TIMING +15										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
2	6056	1976	FORD	MAVE	250	1975 FTP	.56	2.58	648.0	1.20	13.57
						HWY FET	.10	.07	474.3	1.62	18.69
	IDLE HC.PPM/HEXANE 50.					FED 5 CY	.90	8.78	548.0	.71	
	IDLE CO.PCT (MEAS) .04					NY/NJ	2.51	57.78	670.7	.77	
	IDLE CO.PCT (SPEC) 99.99										
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	21.	0.00	246.	15.0 IND HP	
						LO SPEED	15.	0.00	87.		
						IDLE	25.	0.00	33.	480. RPM	
						2-SPD IDLE					
						HI IDLE	48.	.01	60.	2250. RPM	
						LO IDLE	52.	0.00	34.	630. RPM	
						FED 3-MODE					
						HI SPEED	18.	0.00	556.	26.0 DYNO HP	
						LO SPEED	12.	0.00	252.	12.0 DYNO HP	
						IDLE - D	12.	0.00	39.		
	COMMENTS: ADJ TIMING					IDLE - N	8.	0.00	32.		
1	6057	1976	FORD	GRAN	250	1975 FTP	.43	1.48	621.5	1.71	18.20
						HWY FET	.09	.05	473.9	2.18	18.69
	IDLE HC.PPM/HEXANE 25.					FED 5 CY	.28	.61	506.2	.52	
	IDLE CO.PCT (MEAS) .04					NY/NJ	.99	7.68	544.3	.95	
	IDLE CO.PCT (SPEC) 99.99										
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	24.	0.00	102.	24.0 IND HP	
						LO SPEED	25.	0.00	121.		
						IDLE	24.	0.00	82.	610. RPM	
						2-SPD IDLE					
						HI IDLE	35.	0.00	57.	2250. RPM	
						LO IDLE	27.	0.00	44.	850. RPM	
						FED 3-MODE					
						HI SPEED	8.	0.00	132.	26.0 DYNO HP	
						LO SPEED	9.	0.00	248.	12.0 DYNO HP	
						IDLE - D	8.	0.00	103.		
	COMMENTS: LIMITER CAP OK - TIMING +7					IDLE - N	7.	0.00	40.		

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APPENDIX II

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	---- EMISSION RESULTS (GMS/MI) ---- HC	CO	CO2	NOXC	FUEL ECON (MPG)
2	6057	1976	FORD	GRAN	250	1975 FTP	.72	6.43	663.1	1.26	13.14
						HWY FET	.13	1.14	509.5	1.78	17.33
	IDLE HC,PPM/HEXANE 5.					FED S CY	.45	6.55	535.2	.70	
	IDLE CO,PCT (MEAS) .02					NY/NJ	1.46	13.11	739.5	1.14	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	12.	.03	553.	24.0 IND HP	
						LO SPEED	21.	.04	101.		
						IDLE	21.	0.00	67.	600. RPM	
						2-SPD IDLE					
						HI IDLE	20.	.03	63.	2250. RPM	
						LO IDLE	22.	0.00	46.	770. RPM	
						FED 3-MODE					
						HI SPEED	8.	.03	537.	26.0 DYNO HP	
						LO SPEED	17.	.05	166.	12.0 DYNO HP	
						IDLE - D	15.	0.00	76.		
						IDLE - N	13.	0.00	43.		
COMMENTS: ADJ. TIMING											
1	6058	1976	MERC	MONA	302	1975 FTP	1.54	9.41	588.9	1.57	14.59
						HWY FET	.53	.65	432.2	2.04	20.39
	IDLE HC,PPM/HEXANE 70.					FED S CY	2.38	12.06	490.2	1.63	
	IDLE CO,PCT (MEAS) .40					NY/NJ	5.67	62.27	614.8	1.15	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	64.	.01	707.	24.0 IND HP	
						LO SPEED	51.	0.00	212.		
						IDLE	58.	0.00	25.	500. RPM	
						2-SPD IDLE					
						HI IDLE	96.	0.00	102.	2250. RPM	
						LO IDLE	54.	0.00	33.	550. RPM	
						FED 3-MODE					
						HI SPEED	62.	.01	720.	26.0 DYNO HP	
						LO SPEED	69.	0.00	406.	12.0 DYNO HP	
						IDLE - D	34.	0.00	21.		
						IDLE - N	36.	0.00	21.		
COMMENTS: LIMITER CAPS MISSING - 3MIN. CHOKE CYCLE - VAC.LEAK CHOKE PULL-OFF TIMING + 9 - CRK. CSE. VENT TUBE DISC.- NO FAILURE											

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
2	6058	1976	MERC	MONA	302	1975 FTP	1.72	15.13	675.8	1.36	12.59
						HWY FET	.47	.69	482.2	1.72	18.28
	IDLE HC.PPM/HEXANE 25.					FED S CY	2.40	11.63	557.2	.41	
	IDLE CO.PCT (MEAS) .50					NY/NJ	6.26	68.89	674.4	.62	
	IDLE CO.PCT (SPEC) 99.99										
						KEY MODE	HC. PPM	CO. PCT	NOX. PPM		
						HI SPEED	75.	.01	493.	24.0 IND HP	
						LO SPEED	82.	0.00	157.		
						IDLE	113.	.39	6.	500. RPM	
						2-SPD IDLE					
						HI IDLE	69.	0.00	69.	2250. RPM	
						LO IDLE	68.	.42	13.	600. RPM	
						FED 3-MODE					
						HI SPEED	38.	0.00	436.	26.0 DYNO HP	
						LO SPEED	39.	0.00	248.	12.0 DYNO HP	
						IDLE - D	252.	1.85	12.		
	COMMENTS: ADJ. TIMING - RECON. VENT TUBE					IDLE - N	94.	1.22	16.		
3	6058	1976	MERC	MONA	302	1975 FTP	1.01	4.14	729.4	1.67	12.01
						HWY FET	.42	.48	506.8	1.78	17.42
	IDLE HC.PPM/HEXANE 35.					FED S CY	.71	.17	594.6	1.19	
	IDLE CO.PCT (MEAS) .02					NY/NJ	.93	.11	859.9	1.21	
	IDLE CO.PCT (SPEC) 99.99										
						KEY MODE	HC. PPM	CO. PCT	NOX. PPM		
						HI SPEED	160.	.02	404.	24.0 IND HP	
						LO SPEED	126.	0.00	169.		
						IDLE	102.	0.00	139.	800. RPM	
						2-SPD IDLE					
						HI IDLE	51.	0.00	80.	2250. RPM	
						LO IDLE	19.	0.00	78.	1100. RPM	
						FED 3-MODE					
						HI SPEED	56.	.01	411.	26.0 DYNO HP	
						LO SPEED	57.	0.00	247.	12.0 DYNO HP	
						IDLE - D	47.	0.00	149.		
	COMMENTS: ADJ. IDLE					IDLE - N	28.	0.00	66.		

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
4	6058	1976	MERC	MONA	302	1975 FTP	1.58	3.75	707.5	1.83	12.35
						HWY FET	.57	.81	511.4	1.90	17.30
	IDLE HC,PPM/HEXANE 75.					FED S CY	1.32	.69	560.4	1.15	
	IDLE CO,PCT (MEAS) .15					NY/NJ	1.46	.35	795.8	1.24	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	84.	.07	455.	24.0 IND HP	
						LO SPEED	81.	0.00	199.		
						IDLE	75.	0.00	139.	700. RPM	
						2-SPD IDLE					
						HI IDLE	47.	.02	91.	2250. RPM	
						LO IDLE	74.	0.00	64.	850. RPM	
						FED 3-MODE					
						HI SPEED	67.	.03	430.	26.0 DYNO HP	
						LO SPEED	79.	0.00	255.	12.0 DYNO HP	
						IDLE - D	70.	0.00	147.		
						IDLE - N	72.	0.00	63.		
	COMMENTS: MAJOR TUNE-UP - REPL. AIR AND CRK CSE VENT FILTERS, CHOKE THERMO SPRING HSG. AND CHOKE PULL-OFF										
6	6058	1976	MERC	MONA	302	1975 FTP	1.65	4.99	751.6	1.74	11.64
						HWY FET	.39	.50	478.3	1.65	18.45
	IDLE HC,PPM/HEXANE 40.					FED S CY	.71	.39	618.2	1.26	
	IDLE CO,PCT (MEAS) .01					NY/NJ	.99	.35	868.6	1.31	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	52.	.01	528.	24.0 IND HP	
						LO SPEED	51.	0.00	205.		
						IDLE	44.	0.00	187.	775. RPM	
						2-SPD IDLE					
						HI IDLE	76.	0.00	85.	2250. RPM	
						LO IDLE	26.	0.00	83.	1140. RPM	
						FED 3-MODE					
						HI SPEED	48.	.01	555.	26.0 DYNO HP	
						LO SPEED	54.	0.00	270.	12.0 DYNO HP	
						IDLE - D	41.	0.00	185.		
						IDLE - N	26.	0.00	77.		
	COMMENTS: VAC. LEAK CHOKE PULL-OFF (INOP) - CHOKE SPRING - 3MIN. CYCLE										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	---- EMISSION RESULTS (GMS/MI) ---- HC	CO	CO2	NOXC	FUEL ECON (MPG)
1	6059	1976	MERC	MONA	302	1975 FTP	.91	4.62	748.0	1.59	11.71
						HWY FET	.42	1.39	509.8	1.88	17.28
	IDLE HC.PPM/HEXANE 0.					FED 5 CY	.84	4.59	608.6	1.39	
	IDLE CO.PCT (MEAS) .01					NY/NJ	.87	.39	800.0	1.24	
	IDLE CO.PCT (SPEC) 99.99										
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	38.	0.00	432.	24.0 ING MP	
						LO SPEED	10.	0.00	180.		
						IDLE	27.	0.00	57.	670. RPM	
						2-SPD IDLE					
						HI IDLE	47.	0.00	77.	2250. RPM	
						LO IDLE	17.	0.00	44.	925. RPM	
						FED 3-MODE					
						HI SPEED	15.	0.00	583.	25.0 DYNO HP	
						LO SPEED	21.	0.00	262.	12.0 DYNO HP	
						IDLE - D	15.	0.00	56.		
						IDLE - N	7.	0.00	60.		
	COMMENTS: LIMITER CAPS MISSING										
1	6060	1976	MERC	MONA	302	1975 FTP	1.06	3.42	685.5	1.86	12.78
						HWY FET	.54	.53	465.2	2.25	18.98
	IDLE HC.PPM/HEXANE 50.					FED 5 CY	1.01	2.97	558.3	1.28	
	IDLE CO.PCT (MEAS) .01					NY/NJ	.93	.11	757.7	1.13	
	IDLE CO.PCT (SPEC) 99.99										
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	44.	.02	528.	24.0 ING MP	
						LO SPEED	43.	0.00	179.		
						IDLE	47.	0.00	50.	590. RPM	
						2-SPD IDLE					
						HI IDLE	125.	.01	43.	2250. RPM	
						LO IDLE	32.	0.00	34.	740. RPM	
						FED 3-MODE					
						HI SPEED	51.	.01	407.	25.0 DYNO HP	
						LO SPEED	53.	0.00	245.	12.0 DYNO HP	
						IDLE - D	32.	0.00	47.		
						IDLE - N	14.	0.00	47.		
	COMMENTS: LIMITER CAPS OK - CHANGED FROM AIR INJ. DISC. - NO FAILURE										

APPENDIX M

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	---- EMISSION RESULTS (GMS/MI) ---- HC	CO	CO2	NOXC	FUEL ECON (MPG)
3	6060	1976	MERC	MONA	302	1975 FTP	1.04	3.70	699.0	1.91	12.53
						HWY FET	.54	.51	469.8	2.41	18.76
	IDLE HC,PPM/HEXANE 30.					FED S CY	.80	1.18	564.1	1.49	
	IDLE CO,PCT (MEAS) .02					NY/NJ	.75	.11	791.3	1.34	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	78.	.02	671.	24.0 IND HP	
						LO SPEED	57.	0.00	188.		
						IDLE	53.	0.00	77.	710. RPM	
						2-SPD IDLE					
						HI IDLE	103.	0.00	87.	2250. RPM	
						LO IDLE	28.	0.00	50.	940. RPM	
						FED 3-MODE					
						HI SPEED	48.	.02	686.	26.0 DYNO HP	
						LO SPEED	46.	0.00	415.	12.0 DYNO HP	
						IDLE - D	26.	0.00	87.		
						IDLE - N	14.	0.00	94.		
COMMENTS: ADJUST IHPM AND ICO											
4	6060	1976	MERC	MONA	302	1975 FTP	1.09	4.62	714.1	1.88	12.24
						HWY FET	.52	.54	467.1	2.17	18.87
	IDLE HC,PPM/HEXANE 115.					FED S CY	.82	1.22	560.6	1.42	
	IDLE CO,PCT (MEAS) .30					NY/NJ	.81	.35	813.2	1.20	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	63.	.03	618.	24.0 IND HP	
						LO SPEED	51.	0.00	226.		
						IDLE	43.	0.00	95.	700. RPM	
						2-SPD IDLE					
						HI IDLE	81.	0.00	90.	2250. RPM	
						LO IDLE	26.	0.00	53.	900. RPM	
						FED 3-MODE					
						HI SPEED	55.	.03	653.	26.0 DYNO HP	
						LO SPEED	52.	0.00	377.	12.0 DYNO HP	
						IDLE - D	34.	0.00	97.		
						IDLE - N	23.	0.00	51.		
COMMENTS: MAJOR TUNE-UP I QT ENG. COOLANT REPLACE AIR AND CRANKCASE VENT FILTERS											

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
A	6060	1976	MERC	MONA	302	1975 FTP	1.07	3.23	727.8	1.94	12.06
						HWY FET	.55	.51	475.2	2.44	18.55
						FED S CY	.90	1.04	584.4	1.27	
						NY/NJ	.99	.23	831.1	1.14	
	IDLE HC.PPM/HEXANE 40.										
	IDLE CO.PCT (MEAS) .02										
	IDLE CO.PCT (SPEC) 99.99										
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	68.	.01	541.	24.0 IND HP	
						LO SPEED	53.	0.00	170.		
						IDLE	45.	0.00	75.	720. RPM	
						2-SPD IDLE					
						HI IDLE	127.	0.00	81.	2250. RPM	
						LO IDLE	36.	0.00	53.	950. RPM	
						FED 3-MODE					
						HI SPEED	58.	.02	548.	26.0 DYNO HP	
						LO SPEED	54.	0.00	318.	12.0 DYNO HP	
						IDLE - D	40.	0.00	76.		
						IDLE - N	25.	0.00	96.		
	COMMENTS: EGR SPACER TO CARB. GASKET LEAKING AND POSSIBLE EGR GSKT LEAK. REPLACED GSKTS										
I	6061	1976	MERC	MONG	351	1975 FTP	.41	2.46	798.8	1.77	11.04
						HWY FET	.17	.55	550.2	1.74	16.08
						FED S CY	.30	.12	652.2	1.69	
						NY/NJ	.29	.11	913.0	1.60	
	IDLE HC.PPM/HEXANE 15.										
	IDLE CO.PCT (MEAS) .03										
	IDLE CO.PCT (SPEC) 99.99										
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	15.	.01	429.	30.0 IND HP	
						LO SPEED	20.	0.00	285.		
						IDLE	11.	0.00	91.	650. RPM	
						2-SPD IDLE					
						HI IDLE	20.	0.00	80.	2250. RPM	
						LO IDLE	18.	0.00	44.	900. RPM	
						FED 3-MODE					
						HI SPEED	25.	.01	381.	31.0 DYNO HP	
						LO SPEED	28.	0.00	280.	15.0 DYNO HP	
						IDLE - D	19.	0.00	79.		
						IDLE - N	16.	0.00	50.		
	COMMENTS: LIMITER CAPS OK - TIMING -5										

APPENDIX D

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	---- EMISSION RESULTS (GMS/MI) ---- HC	CO	CO2	NOXC	FUEL ECON (MPG)
2	6061	1976	MERC	MONG	351	1975 FTP	.45	2.14	759.9	2.46	11.61
						HWY FET	.20	.44	538.6	2.51	16.42
	IDLE HC,PPM/HEXANE 15.					FED S CY	.34	.08	638.1	2.32	
	IDLE CO,PCT (MEAS) .02					NY/NJ	.40	.23	877.2	2.01	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	30.	.01	690.	30.0	IND HP
						LO SPEED	28.	0.00	337.		
						IDLE	20.	0.00	80.	695.	RPM
						2-SPD IDLE					
						HI IDLE	27.	0.00	112.	2250.	RPM
						LO IDLE	27.	0.00	53.	1020.	RPM
						FED 3-MODE					
						HI SPEED	22.	.01	591.	31.0	DYNO HP
						LO SPEED	23.	0.00	468.	15.0	DYNO HP
						IDLE - D	14.	0.00	83.		
						IDLE - N	19.	0.00	55.		
	COMMENTS: ADJ TIMING										
4	6061	1976	MERC	MONG	351	1975 FTP	.46	2.37	781.9	2.33	11.28
						HWY FET	.19	.35	541.7	2.50	16.34
	IDLE HC,PPM/HEXANE 15.					FED S CY	.32	.12	699.3	2.34	
	IDLE CO,PCT (MEAS) .03					NY/NJ	.29	.46	878.3	1.95	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	26.	.01	718.	30.0	IND HP
						LO SPEED	21.	0.00	399.		
						IDLE	18.	0.00	113.	620.	RPM
						2-SPD IDLE					
						HI IDLE	21.	.01	161.	2250.	RPM
						LO IDLE	24.	0.00	62.	800.	RPM
						FED 3-MODE					
						HI SPEED	24.	0.00	687.	31.0	DYNO HP
						LO SPEED	25.	0.00	546.	15.0	DYNO HP
						IDLE - D	15.	0.00	111.		
						IDLE - N	20.	0.00	64.		
	COMMENTS: MAJOR TUNE-UP - REPL AIR FILTER, CRANKCASE VENT FILTER										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	EMISSION RESULTS (GMS/MI) HC	CO	CO2	NOXC	FUEL ECON (MPG)
A	6061	1976	MERC	MONG	351	1975 FTP	.41	1.67	805.8	1.92	10.96
						HWY FET	.18	.37	547.0	2.09	16.18
						FED S CY	.28	.12	634.2	1.79	
						NY/NJ	.34	.35	911.4	2.07	

IDLE HC.PPM/HEXANE 15.
IDLE CO.PCT (MEAS) .02
IDLE CO.PCT (SPEC) 99.99

KEY MODE	HC. PPM	CO. PCT	NOX. PPM	
HI SPEED	36.	.01	500.	30.0 IND HP
LO SPEED	33.	0.00	276.	
IDLE	24.	0.00	81.	680. RPM
2-SPD IDLE				
HI IDLE	36.	0.00	109.	2250. RPM
LO IDLE	36.	0.00	53.	930. RPM
FED 3-MODE				
HI SPEED	24.	.01	519.	31.0 DYNO HP
LO SPEED	26.	0.00	412.	15.0 DYNO HP
IDLE - D	16.	0.00	88.	
IDLE - N	16.	0.00	60.	

COMMENTS: CORRECT OUT OF BALANCE MIXTURE SCREWS
ADJ TIMING. IRPM. ICO. KICKDOWN SPEED

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
I	6062	1976	MERC	MONG	351	1975 FTP	1.50	11.10	770.8	1.39	11.19
						HWY FET	.50	3.64	564.6	1.45	15.50
						FED S CY	1.47	6.25	600.5	1.53	
						NY/NJ	2.69	23.04	763.4	1.18	

IDLE HC.PPM/HEXANE 60.
IDLE CO.PCT (MEAS) .10
IDLE CO.PCT (SPEC) 99.99

KEY MODE	HC. PPM	CO. PCT	NOX. PPM	
HI SPEED	58.	.07	401.	30.0 IND HP
LO SPEED	67.	.03	203.	
IDLE	90.	.15	59.	640. RPM
2-SPD IDLE				
HI IDLE	71.	.03	100.	2250. RPM
LO IDLE	58.	.04	42.	850. RPM
FED 3-MODE				
HI SPEED	41.	.06	340.	31.0 DYNO HP
LO SPEED	60.	.03	306.	15.0 DYNO HP
IDLE - D	79.	.14	62.	
IDLE - N	50.	.06	40.	

COMMENTS: LIMITER CAPS MISSING - TIMING + 7
CHOKE PULL-OFF VAC. LEAK - SPARK DELAY + 10 SEC.

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
						---- EMISSION RESULTS (GMS/MI) ----				
2	6062	1976	MERC	MONG 351	1975 FTP	1.09	17.30	839.7	1.03	10.20
					HWY FET	.25	4.34	552.6	.99	15.82
	IDLE HC.PPM/HEXANE 50.				FED 5 CY	1.29	6.60	637.3	1.02	
	IDLE CO.PCT (MEAS) .10				NY/NJ	2.34	24.22	833.3	.98	
	IDLE CO.PCT (SPEC) 99.99									
						HC.	CO.	NOX.		
					KEY MODE	PPM	PCT	PPM		
					HI SPEED	15.	.15	231.	30.0 IND HP	
					LO SPEED	30.	.04	123.		
					IDLE	54.	.16	43.	700. RPM	
					2-SPD IDLE					
					HI IDLE	61.	.05	73.	2250. RPM	
					LO IDLE	61.	.08	36.	900. RPM	
					FED 3-MODE					
					HI SPEED	14.	.12	217.	31.0 DYNO HP	
					LO SPEED	32.	.06	201.	15.0 DYNO HP	
					IDLE - D	51.	.10	44.		
					IDLE - N	44.	.09	43.		
	COMMENTS: ADJ. TIMING									
3	6062	1976	MERC	MONG 351	1975 FTP	1.21	16.79	850.2	1.24	10.08
					HWY FET	.29	2.93	617.7	1.08	14.22
	IDLE HC.PPM/HEXANE 25.				FED 5 CY	1.01	2.36	680.7	.96	
	IDLE CO.PCT (MEAS) .04				NY/NJ	1.22	2.00	887.2	1.04	
	IDLE CO.PCT (SPEC) 99.99									
						HC.	CO.	NOX.		
					KEY MODE	PPM	PCT	PPM		
					HI SPEED	20.	.10	224.	30.0 IND HP	
					LO SPEED	35.	.05	195.		
					IDLE	45.	.01	138.	700. RPM	
					2-SPD IDLE					
					HI IDLE	60.	.05	85.	2250. RPM	
					LO IDLE	140.	.01	56.	900. RPM	
					FED 3-MODE					
					HI SPEED	0.	.06	274.	31.0 DYNO HP	
					LO SPEED	12.	.03	207.	15.0 DYNO HP	
					IDLE - D	24.	.01	146.		
					IDLE - N	64.	.01	70.		
	COMMENTS: ADJ. IDLE AND ICO									

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	EMISSION RESULTS (GMS/MI) HC	CO	CO2	NOXC	FUEL ECON (MPG)
4	6062	1976	MERC	MONG	351	1975 FTP	1.53	19.81	893.6	1.32	9.55
						HWY FET	.35	6.99	641.3	1.28	13.57
	IDLE HC.PPM/HEXANE 20.					FED 5 CY	1.41	5.55	690.7	1.10	
	IDLE CO.PCT (MEAS) .05					NY/NJ	2.34	6.97	905.1	1.22	
	IDLE CO.PCT (SPEC) 99.99.										
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	33.	.21	236.	30.0 IND HP	
						LO SPEED	54.	.07	148.		
						IDLE	78.	.05	95.	610. RPM	
						2-SPD IDLE					
						HI IDLE	67.	.08	67.	2250. RPM	
						LO IDLE	97.	.01	49.	900. RPM	
						FED 3-MODE					
						HI SPEED	27.	.17	212.	31.0 DYNO HP	
						LO SPEED	40.	.11	218.	15.0 DYNO HP	
						IDLE - D	49.	.01	101.		
						IDLE - N	53.	.06	52.		
	COMMENTS: MAJOR TUNE-UP - ADD QT. COOLANT REPL. SPARK DELAY. AIR AND CRK. VENT FILTERS. CHOKE PULL-OFF										
6	6062	1976	MERC	MONG	351	1975 FTP	1.48	13.24	879.6	1.44	9.81
						HWY FET	.29	3.58	629.9	1.41	13.93
	IDLE HC.PPM/HEXANE 35.					FED 5 CY	1.33	1.78	879.0	1.33	
	IDLE CO.PCT (MEAS) .02					NY/NJ	1.58	1.41	903.8	1.30	
	IDLE CO.PCT (SPEC) 99.99										
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	82.	.18	264.	30.0 IND HP	
						LO SPEED	77.	.03	188.		
						IDLE	75.	0.00	133.	900. RPM	
						2-SPD IDLE					
						HI IDLE	76.	.05	85.	2250. RPM	
						LO IDLE	99.	.01	63.	1100. RPM	
						FED 3-MODE					
						HI SPEED	4.	.04	283.	31.0 DYNO HP	
						LO SPEED	15.	.07	248.	15.0 DYNO HP	
						IDLE - D	24.	0.00	114.		
						IDLE - N	99.	0.00	63.		
	COMMENTS: VAC.LEAK IF CHOKE PULL-OFF (CHOP.)										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	---- EMISSION RESULTS (GMS/MI) ---- HC	CO	CO2	NOxC	FUEL ECON (MPG)
1	6063	1976	MERC	COUG	400	1975 FTP	.50	3.51	914.2	1.94	9.63
						HWY FET	.21	.79	593.1	2.64	14.90
	IDLE HC,PPM/HEXANE 20.					FED S CY	.47	.39	723.4	2.62	
	IDLE CO,PCT (MEAS) .02					NY/NJ	.34	.23	1010.4	1.77	
	IDLE CO,PCT (SPEC) 99.99						HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	22.	.03	778.	30.0 IND HP	
						LO SPEED	19.	0.00	353.		
						IDLE	12.	0.00	116.	730. RPM	
						2-SPD IDLE					
						HI IDLE	28.	0.00	110.	2250. RPM	
						LO IDLE	30.	0.00	39.	945. RPM	
						FED 3-MODE					
						HI SPEED	23.	.03	738.	31.0 DYNO HP	
						LO SPEED	25.	.01	642.	15.0 DYNO HP	
						IDLE - D	13.	0.00	87.		
						IDLE - N	15.	0.00	30.		
	COMMENTS: LIMITER CAPS OK - TIMING -4										
2	6063	1976	MERC	COUG	400	1975 FTP	.54	1.49	883.3	2.48	10.00
						HWY FET	.24	.73	577.3	3.27	15.31
	IDLE HC,PPM/HEXANE 10.					FED S CY	.36	.21	711.4	2.68	
	IDLE CO,PCT (MEAS) 0.00					NY/NJ	.34	.23	1014.0	2.04	
	IDLE CO,PCT (SPEC) 99.99						HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	34.	.04	644.	30.0 IND HP	
						LO SPEED	25.	.01	190.		
						IDLE	20.	0.00	117.	780. RPM	
						2-SPD IDLE					
						HI IDLE	62.	0.00	108.	2250. RPM	
						LO IDLE	20.	0.00	68.	1060. RPM	
						FED 3-MODE					
						HI SPEED	20.	.02	497.	31.0 DYNO HP	
						LO SPEED	29.	0.00	731.	15.0 DYNO HP	
						IDLE - D	15.	0.00	175.		
						IDLE - N	39.	0.00	175.		
	COMMENTS: ADJUST TIMING										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	EMISSION RESULTS (GMS/MI) HC	CO	CO2	NOXC	FUEL ECON (MPG)
3	6063	1976	MERC	COUG	400	1975 FTP	.60	3.43	829.3	1.96	10.61
						HWY FET	.25	.92	559.3	2.62	15.80
	IDLE HC.PPM/HEXANE 40.					FED S CY	.51	.30	651.8	2.59	
	IDLE CO.PCT (MEAS) 0.00					NY/NJ	.52	.46	904.9	1.35	
	IDLE CO.PCT (SPEC) 99.99						HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	22.	.04	960.	30.0 IND HP	
						LO SPEED	20.	0.00	534.		
						IDLE	10.	0.00	117.	635. RPM	
						2-SPD IDLE					
						HI IDLE	114.	.01	139.	2250. RPM	
						LO IDLE	36.	0.00	49.	780. RPM	
						FED 3-MODE					
						HI SPEED	31.	.04	839.	31.0 DYNO HP	
						LO SPEED	35.	0.00	739.	15.0 DYNO HP	
						IDLE - D	21.	0.00	95.		
						IDLE - N	21.	0.00	93.		
	COMMENTS: ADJUST IHPM										
1	6064	1976	MERC	MARQ	400	1975 FTP	.92	3.85	859.6	1.47	10.22
						HWY FET	.18	.62	558.3	1.96	15.85
	IDLE HC.PPM/HEXANE 15.					FED S CY	.56	2.01	855.3	1.80	
	IDLE CO.PCT (MEAS) .15					NY/NJ	.46	.11	937.0	1.16	
	IDLE CO.PCT (SPEC) 99.99						HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	18.	.02	779.	30.0 IND HP	
						LO SPEED	15.	0.00	195.		
						IDLE	16.	0.00	79.	550. RPM	
						2-SPD IDLE					
						HI IDLE	70.	0.00	120.	2250. RPM	
						LO IDLE	26.	0.00	52.	600. RPM	
						FED 3-MODE					
						HI SPEED	14.	.01	696.	31.0 DYNO HP	
						LO SPEED	17.	0.00	600.	15.0 DYNO HP	
						IDLE - D	12.	0.00	88.		
						IDLE - N	11.	0.00	51.		
	COMMENTS: LIMITER CAPS MISSING										

APPENDIX B

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	EMISSION RESULTS (GMS/MI) HC	CO	CO2	NOXC	FUEL ECON (MPG)
1	6065	1976	LINC	MRK4	460	1975 FTP	.46	2.98	885.8	1.96	9.95
						HWY FET	.05	.19	521.9	1.91	16.98
	IDLE HC,PPM/HEXANE 0.					FED S CY	.15	.08	746.5	1.95	
	IDLE CO,PCT (MEAS) 0.00					NY/NJ	.17	0.00	1015.8	1.60	
	IDLE CO,PCT (SPEC) 99.99										
							HC, PPM	CO, PCT	NOX, PPM		
						KEY MODE					
						HI SPEED	18.	.01	469.	30.0 IND HP	
						LO SPEED	16.	0.00	200.		
						IDLE	14.	0.00	104.	730. RPM	
						2-SPD IDLE					
						HI IDLE	22.	0.00	76.	2250. RPM	
						LO IDLE	14.	0.00	56.	1100. RPM	
						FED 3-MODE					
						HI SPEED	13.	0.00	422.	36.0 DYNO HP	
						LO SPEED	14.	0.00	475.	18.0 DYNO HP	
						IDLE - D	10.	0.00	162.		
						IDLE - N	10.	0.00	160.		
	COMMENTS: LIMITER CAPS OK										
5	6065	1976	LINC	MRK4	460	1975 FTP	.55	9.58	903.4	7.71	9.64
						HWY FET	.09	.10	550.4	8.55	16.10
	IDLE HC,PPM/HEXANE 5.					FED S CY	.43	1.92	714.1	8.39	
	IDLE CO,PCT (MEAS) .02					NY/NJ	1.51	18.78	945.7	6.54	
	IDLE CO,PCT (SPEC) 99.99										
							HC, PPM	CO, PCT	NOX, PPM		
						KEY MODE					
						HI SPEED	30.	.01	2309.	30.0 IND HP	
						LO SPEED	25.	0.00	1250.		
						IDLE	23.	0.00	211.	760. RPM	
						2-SPD IDLE					
						HI IDLE	20.	0.00	259.	2250. RPM	
						LO IDLE	51.	0.00	119.	1200. RPM	
						FED 3-MODE					
						HI SPEED	25.	.01	2309.	36.0 DYNO HP	
						LO SPEED	21.	0.00	1614.	18.0 DYNO HP	
						IDLE - D	19.	0.00	205.		
						IDLE - N	19.	0.00	195.		
	COMMENTS: PLUG EGR - DISC. ELEC. CHOKE - LEAN BEST IDLE MAN. VAC. TO VAC. ADV.										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOxC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
6	6065	1976	LINC	MRK4	460	1975 FTP	.48	4.32	970.9	1.75	9.06
						HWY FET	.07	.36	603.1	2.32	14.68
	IDLE HC.PPM/HEXANE 20.					FED S CY	.25	1.74	753.3	2.56	
	IDLE CO.PCT (MEAS) .02					NY/NJ	.69	20.32	1015.6	1.48	
	IDLF CO.PCT (SPEC) 99.99										
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	17.	.01	672.	30.0 IND HP	
						LO SPEED	13.	0.00	220.		
						IDLE	13.	0.00	88.	720. RPM	
						2-SPD IDLE					
						HI IDLE	25.	0.00	111.	2250. RPM	
						LO IDLE	9.	0.00	62.	1070. RPM	
						FED 3-MODE					
						HI SPEED	12.	0.00	704.	36.0 DYNO HP	
						LO SPEED	13.	0.00	601.	18.0 DYNO HP	
						IDLE - D	10.	0.00	95.		
						IDLE - N	9.	0.00	58.		
	COMMENTS: LEAN BEST IDLE										
7	6065	1976	LINC	MRK4	460	1975 FTP	.50	2.68	882.2	3.48	10.00
						HWY FET	.09	.31	581.4	2.44	15.24
	IDLE HC.PPM/HEXANE 5.					FED S CY	.41	.17	733.7	2.95	
	IDLE CO.PCT (MEAS) .02					NY/NJ	.54	.17	987.5	3.51	
	IDLF CO.PCT (SPEC) 99.99										
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	23.	.01	479.	30.0 IND HP	
						LO SPEED	26.	0.00	275.		
						IDLE	18.	0.00	411.	720. RPM	
						2-SPD IDLE					
						HI IDLE	88.	0.00	92.	2250. RPM	
						LO IDLE	52.	0.00	126.	1180. RPM	
						FED 3-MODE					
						HI SPEED	16.	0.00	508.	36.0 DYNO HP	
						LO SPEED	15.	0.00	535.	18.0 DYNO HP	
						IDLE - D	12.	0.00	454.		
						IDLE - N	48.	0.00	130.		
	COMMENTS: MANIFOLD VAC. TO VAC. ADVANCE										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	---- EMISSION RESULTS (GMS/MI) ---- HC	CO	CO2	NOXC	FUEL ECON (MPG)
8	6065	1976	LINC	MRK4	460	1975 FTP	.35	2.71	840.8	5.27	10.49
						HWY FET	.08	.18	512.6	6.23	17.27
	IDLE HC,PPM/HEXANE 5.					FED S CY	.21	.08	700.0	5.85	
	IDLE CO,PCT (MEAS) .04					NY/NJ	.23	0.00	953.7	3.99	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	7.	0.00	2200.	30.0	IND HP
						LO SPEED	7.	0.00	1660.		
						IDLE	3.	0.00	124.	725.	RPM
						2-SPD IDLE					
						HI IDLE	16.	0.00	301.	2250.	RPM
						LO IDLE	6.	0.00	43.	1000.	RPM
						FED 3-MODE					
						HI SPEED	11.	0.00	2306.	36.0	DYNO HP
						LO SPEED	13.	0.00	2108.	16.0	DYNO HP
						IDLE - D	6.	0.00	123.		
						IDLE - N	6.	0.00	50.		
COMMENTS: EGR PLUGGED											
9	6065	1976	LINC	MRK4	460	1975 FTP	.84	12.85	904.7	1.43	9.57
						HWY FET	.07	.24	579.3	1.73	15.29
	IDLE HC,PPM/HEXANE 5.					FED S CY	.23	.12	698.3	1.62	
	IDLE CO,PCT (MEAS) .01					NY/NJ	.34	.11	978.3	.99	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	16.	.01	546.	30.0	IND HP
						LO SPEED	13.	0.00	160.		
						IDLE	12.	0.00	140.	700.	RPM
						2-SPD IDLE					
						HI IDLE	34.	0.00	99.	2250.	RPM
						LO IDLE	15.	0.00	60.	970.	RPM
						FED 3-MODE					
						HI SPEED	6.	0.00	554.	36.0	DYNO HP
						LO SPEED	4.	0.00	333.	18.0	DYNO HP
						IDLE - D	3.	0.00	148.		
						IDLE - N	4.	0.00	68.		
COMMENTS: DISC. ELEC. CHOKE											

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
1	6066	1976	LINC	CONT	460	1975 FTP	5.30	70.44	853.1	1.64	9.05
						HWY FET	.22	2.91	603.5	2.52	14.58
						FED S CY	3.26	27.80	704.2	2.33	
						NY/NJ	14.98	139.67	719.9	1.79	

IDLE HC.PPM/HEXANE 500.
IDLE CO.PCT (MEAS) 3.00
IDLE CO.PCT (SPEC) 99.99

KEY MODE	HC. PPM	CO. PCT	NOX. PPM	
HI SPEED	84.	0.00	635.	30.0 IND HP
LO SPEED	56.	.12	172.	
IDLE	703.	8.66	10.	450. RPM
2-SPD IDLE				
HI IDLE	147.	.03	0.	2250. RPM
LO IDLE	612.	6.02	0.	680. RPM
FED 3-MODE				
HI SPEED	61.	.11	563.	36.0 DYNO HP
LO SPEED	45.	.17	280.	18.0 DYNO HP
IDLE - D	662.	9.12	8.	
IDLE - N	430.	7.69	0.	

COMMENTS: REPLACEMENT LIMITER CAPS - CHOKE MALADJ.
DIST. COOLING PVS 140DEGREES - POSSIBLE CARB. FIRE

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
2	6066	1976	LINC	CONT	460	1975 FTP	4.45	71.66	860.2	1.83	8.99
						HWY FET	.24	3.19	605.8	2.60	14.49
						FED S CY	4.33	40.44	682.9	2.64	
						NY/NJ	18.49	132.70	735.2	1.79	

IDLE HC.PPM/HEXANE 400.
IDLE CO.PCT (MEAS) 3.20
IDLE CO.PCT (SPEC) 99.99

KEY MODE	HC. PPM	CO. PCT	NOX. PPM	
HI SPEED	161.	.07	757.	30.0 IND HP
LO SPEED	149.	.03	189.	
IDLE	370.	1.86	14.	520. RPM
2-SPD IDLE				
HI IDLE	144.	0.00	0.	2250. RPM
LO IDLE	335.	1.73	0.	690. RPM
FED 3-MODE				
HI SPEED	110.	.06	676.	36.0 DYNO HP
LO SPEED	79.	.05	349.	18.0 DYNO HP
IDLE - D	304.	1.73	11.	
IDLE - N	170.	1.14	5.	

COMMENTS: ADJ CHOKE

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
3	6066	1976	LINC	CONT	460	1975 FTP	1.30	6.27	842.4	3.10	10.36
						HWY FET	.33	1.28	582.0	3.28	15.15
	IDLE HC,PPM/HEXANE 75.					FED S CY	2.59	2.01	710.4	3.42	
	IDLE CO,PCT (MEAS) .05					NY/NJ	4.50	1.53	811.0	3.51	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	37.	.07	919.	30.0 IND HP	
						LO SPEED	39.	.02	547.		
						IDLE	57.	0.00	305.	670. RPM	
						2-SPD IDLE					
						HI IDLE	22.	.07	123.	2250. RPM	
						LO IDLE	135.	.06	91.	900. RPM	
						FED 3-MODE					
						HI SPEED	32.	.05	883.	36.0 DYNO HP	
						LO SPEED	43.	.02	652.	18.0 DYNO HP	
						IDLE - D	91.	0.00	256.		
						IDLE - N	17.	.02	111.		
	COMMENTS: ADJ IRPM, ICO										
4	6066	1976	LINC	CONT	460	1975 FTP	.76	5.72	905.0	2.15	9.69
						HWY FET	.21	1.55	594.7	2.63	14.84
	IDLE HC,PPM/HEXANE 15.					FED S CY	.80	1.57	707.5	3.08	
	IDLE CO,PCT (MEAS) .02					NY/NJ	.69	1.29	927.0	1.85	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	30.	.07	903.	30.0 IND HP	
						LO SPEED	30.	.05	419.		
						IDLE	23.	. 0.00	133.	690. RPM	
						2-SPD IDLE					
						HI IDLE	15.	.05	127.	2250. RPM	
						LO IDLE	21.	.01	64.	970. RPM	
						FED 3-MODE					
						HI SPEED	18.	.06	834.	36.0 DYNO HP	
						LO SPEED	17.	.03	575.	18.0 DYNO HP	
						IDLE - D	14.	0.00	118.		
						IDLE - N	10.	0.00	59.		
	COMMENTS: MAJOR TUNE-UP - REPL AIR FILTER, CRANKCASE VENT FILTER, DIST COOLING PVS - ADJ IRPM, ICO										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	---- EMISSION RESULTS (GMS/MI) ---- HC	CO	CO2	NOXC		FUEL ECON (MPG)
1	6067	1976	BUIC	SKYL	231	1975 FTP	1.05	14.49	510.8	6.50		16.53
						HWY FET	.17	1.23	400.1	8.20		22.03
	IDLE HC.PPM/HEXANE 90.					FED 5 CY	.90	8.13	415.6	5.73		
	IDLE CO.PCT (MEAS) .20					NY/NJ	1.16	10.27	543.8	5.22		
	IDLE CO.PCT (SPEC) 99.99											
							HC.	CO.	NOX.			
						KEY MODE	PPM	PCT	PPM			
						HI SPEED	51.	0.00	2309.	24.0	IND	HP
						LO SPEED	77.	.12	1843.			
						IDLE	42.	.05	186.	600.	RPM	
						2-SPD IDLE						
						HI IDLE	26.	.03	440.	2250.	RPM	
						LO IDLE	25.	0.00	68.	800.	RPM	
						FED 3-MODE						
						HI SPEED	36.	0.00	2309.	26.0	DYNO	HP
						LO SPEED	54.	0.00	2309.	12.0	DYNO	HP
						IDLE - D	42.	.08	95.			
						IDLE - N	16.	.05	11.			
	COMMENTS: LIMITER CAPS MISSING - TIMING -4 - EGR PLUGGED											
2	6067	1976	BUIC	SKYL	231	1975 FTP	1.03	13.00	575.7	2.00		14.81
						HWY FET	.11	.45	436.0	2.29		20.24
	IDLE HC.PPM/HEXANE 45.					FED 5 CY	.60	5.33	495.9	.78		
	IDLE CO.PCT (MEAS) .04					NY/NJ	1.22	7.08	626.5	.64		
	IDLE CO.PCT (SPEC) 99.99											
							HC.	CO.	NOX.			
						KEY MODE	PPM	PCT	PPM			
						HI SPEED	26.	0.00	514.	24.0	IND	HP
						LO SPEED	41.	0.00	154.			
						IDLE	25.	0.00	367.	620.	RPM	
						2-SPD IDLE						
						HI IDLE	134.	0.00	82.	2250.	RPM	
						LO IDLE	23.	0.00	74.	810.	RPM	
						FED 3-MODE						
						HI SPEED	5.	0.00	414.	25.0	DYNO	HP
						LO SPEED	9.	0.00	274.	12.0	DYNO	HP
						IDLE - D	7.	0.00	404.			
						IDLE - N	4.	0.00	85.			
	COMMENTS: ADJ TIMING - UNPLUG EGR											

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	---- EMISSION RESULTS (GMS/MI) ---- HC	CO	CO2	NOXC	FUEL ECON (MPG)
3	6067	1976	BUIC	SKYL	231	1975 FTP	.60	7.26	589.3	2.04	14.73
						HWY FET	.07	.23	433.9	1.85	20.41
	IDLE HC,PPM/HEXANE 25.					FED 5 CY	.28	.96	528.1	.78	
	IDLE CO,PCT (MEAS) .02					NY/NJ	.58	1.88	662.9	.77	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	29.	0.00	400.	24.0	IND HP
						LO SPEED	55.	0.00	120.		
						IDLE	32.	0.00	345.	700.	RPM
						2-SPD IDLE					
						HI IDLE	120.	0.00	83.	2250.	RPM
						LO IDLE	34.	0.00	81.	1000.	RPM
						FED 3-MODE					
						HI SPEED	16.	0.00	477.	26.0	DYNO HP
						LO SPEED	20.	0.00	226.	12.0	DYNO HP
						IDLE - D	20.	0.00	438.		
						IDLE - N	19.	0.00	74.		
	COMMENTS: ADJ IRPM AND ICO										
1	6068	1976	BUIC	REGA	231	1975 FTP	.59	5.55	542.9	8.28	16.04
						HWY FET	.08	.22	401.5	8.27	22.08
	IDLE HC,PPM/HEXANE 40.					FED 5 CY	.25	.83	431.9	6.76	
	IDLE CO,PCT (MEAS) .08					NY/NJ	.34	.46	547.1	6.54	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	51.	0.00	2309.	24.0	IND HP
						LO SPEED	52.	0.00	2309.		
						IDLE	37.	0.00	556.	630.	RPM
						2-SPD IDLE					
						HI IDLE	32.	0.00	369.	2250.	RPM
						LO IDLE	35.	0.00	87.	825.	RPM
						FED 3-MODE					
						HI SPEED	45.	0.00	2309.	31.0	DYNO HP
						LO SPEED	48.	0.00	2309.	15.0	DYNO HP
						IDLE - D	34.	0.00	470.		
						IDLE - N	34.	0.00	109.		
	COMMENTS: LIMITED CARS OR - EGR HOSE DISC. - CHOKE VAC. HRR - .055										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL CID	TEST TYPE	---- EMISSION RESULTS (GMS/MI) ---- HC	CO	CO2	NOxC	FUEL ECON (MPG)
2	6068	1976	BUIC	REGA 231	1975 FTP	.88	5.49	600.6	1.94	14.50
					HWY FET	.15	.34	447.3	1.59	19.76
	IDLE HC.PPM/HEXANE 110.				FED S CY	.69	.43	523.9	.74	
	IDLE CO.PCT (MEAS) .02				NY/NJ	1.92	2.71	646.0	.99	
	IDLE CO.PCT (SPEC) 99.99									
						HC.	CO.	NOX.		
					KEY MODE	PPM	PCT	PPM		
					HI SPEED	27.	.01	411.	24.0 IND HP	
					LO SPEED	81.	.01	88.		
					IDLE	76.	0.00	295.	600. RPM	
					2-SPD IDLE					
					HI IDLE	145.	.02	62.	2250. RPM	
					LO IDLE	11.	0.00	78.	800. RPM	
					FED 3-MODE					
					HI SPEED	9.	.02	683.	31.0 DYNO HP	
					LO SPEED	13.	0.00	331.	15.0 DYNO HP	
					IDLE - D	16.	0.00	358.		
					IDLE - N	12.	0.00	76.		
	COMMENTS: RECON. EGR HOSE - ADJ. CHOKE VAC. BRK.									
1	6069	1976	BUIC	CNTY 350	1975 FTP	.92	12.26	796.1	1.66	10.85
					HWY FET	.07	.65	594.7	2.15	14.88
	IDLE HC.PPM/HEXANE 5.				FED S CY	.32	.43	701.6	.85	
	IDLE CO.PCT (MEAS) .03				NY/NJ	.40	0.00	811.8	.58	
	IDLE CO.PCT (SPEC) 99.99									
						HC.	CO.	NOX.		
					KEY MODE	PPM	PCT	PPM		
					HI SPEED	23.	0.00	475.	30.0 IND HP	
					LO SPEED	30.	0.00	196.		
					IDLE	28.	0.00	88.	525. RPM	
					2-SPD IDLE					
					HI IDLE	56.	0.00	88.	2250. RPM	
					LO IDLE	29.	0.00	54.	675. RPM	
					FED 3-MODE					
					HI SPEED	19.	0.00	443.	31.0 DYNO HP	
					LO SPEED	25.	0.00	205.	15.0 DYNO HP	
					IDLE - D	24.	0.00	114.		
					IDLE - N	24.	0.00	50.		
	COMMENTS: LIMITER CAPS OK									

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL CID	TEST TYPE	---- EMISSION RESULTS (GMS/MI) ---- HC	CO	CO2	NOXC		FUEL ECON (MPG)
3	6069	1976	BUIC	CNTY 350	1975 FTP	.75	7.25	863.1	1.95		10.12
					HWY FET	.11	.83	605.6	2.42		14.60
	IDLE HC,PPM/HEXANE 10.				FED S CY	.71	.43	739.7	.91		
	IDLE CO,PCT (MEAS) .01				NY/NJ	1.11	.58	895.2	.70		
	IDLE CO,PCT (SPEC) 99.99					HC,	CO,	NOX,			
					KEY MODE	PPM	PCT	PPM			
					HI SPEED	31.	.01	481.	30.0	IND HP	
					LO SPEED	42.	0.00	253.			
					IDLE	35.	0.00	148.	650.	RPM	
					2-SPD IDLE						
					HI IDLE	112.	0.00	85.	2250.	RPM	
					LO IDLE	56.	0.00	37.	825.	RPM	
					FED 3-MODE						
					HI SPEED	32.	.01	510.	31.0	DYNO HP	
					LO SPEED	35.	0.00	200.	15.0	DYNO HP	
					IDLE - D	35.	0.00	158.			
					IDLE - N	33.	0.00	51.			
	COMMENTS: ADJ. IRPM AND ICO										
1	6070	1976	BUIC	LESA 350	1975 FTP	.62	6.63	822.6	1.99		10.63
					HWY FET	.07	.38	580.6	2.63		15.24
	IDLE HC,PPM/HEXANE 15.				FED S CY	.28	.26	775.6	.91		
	IDLE CO,PCT (MEAS) .04				NY/NJ	.40	0.00	872.5	.82		
	IDLE CO,PCT (SPEC) 99.99					HC,	CO,	NOX,			
					KEY MODE	PPM	PCT	PPM			
					HI SPEED	32.	0.00	703.	30.0	IND HP	
					LO SPEED	45.	0.00	263.			
					IDLE	47.	0.00	247.	700.	RPM	
					2-SPD IDLE						
					HI IDLE	35.	0.00	121.	2250.	RPM	
					LO IDLE	32.	0.00	88.	820.	RPM	
					FED 3-MODE						
					HI SPEED	39.	0.00	721.	31.0	DYNO HP	
					LO SPEED	38.	0.00	188.	15.0	DYNO HP	
					IDLE - D	41.	0.00	275.			
					IDLE - N	39.	0.00	80.			
	COMMENTS: LIMITER CAPS OK										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	---- EMISSION RESULTS (GMS/MI) ---- HC	CO	CO2	NOXC		FUEL ECON (MPG)
1	6071	1976	BUIC	ESTA	455	1975 FTP	.71	8.47	892.3	1.69		9.78
						HWY FET	.14	4.98	625.8	1.55		13.99
	IDLE HC.PPM/HEXANE 55.					FED S CY	.34	.21	775.3	.85		
	IDLE CO.PCT (MEAS) .10					NY/NJ	.58	.35	947.1	.57		
	IDLE CO.PCT (SPEC) 99.99						HC.	CO.	NOX.			
						KEY MODE	PPM	PCT	PPM			
						HI SPEED	25.	0.00	564.	30.0	IND HP	
						LO SPEED	32.	0.00	106.			
						IDLE	25.	0.00	113.	600.	RPM	
						2-SPD IDLE						
						HI IDLE	26.	0.00	72.	2250.	RPM	
						LO IDLE	15.	0.00	63.	700.	RPM	
						FED 3-MODE						
						HI SPEED	16.	0.00	792.	36.0	DYNO HP	
						LO SPEED	17.	0.00	206.	18.0	DYNO HP	
						IDLE - D	16.	0.00	114.			
						IDLE - N	14.	0.00	67.			
	COMMENTS: LIMITER CAPS BROKEN - TIMING - 4											
2	6071	1976	BUIC	ESTA	455	1975 FTP	.75	5.28	868.5	2.15		10.09
						HWY FET	.19	1.13	618.2	2.26		14.29
	IDLE HC.PPM/HEXANE 20.					FED S CY	1.88	2.01	771.6	.91		
	IDLE CO.PCT (MEAS) .04					NY/NJ	1.28	.35	943.1	.81		
	IDLE CO.PCT (SPEC) 99.99						HC.	CO.	NOX.			
						KEY MODE	PPM	PCT	PPM			
						HI SPEED	27.	0.00	1081.	30.0	IND HP	
						LO SPEED	29.	0.00	124.			
						IDLE	21.	0.00	143.	640.	RPM	
						2-SPD IDLE						
						HI IDLE	27.	0.00	86.	2250.	RPM	
						LO IDLE	23.	0.00	57.	750.	RPM	
						FED 3-MODE						
						HI SPEED	23.	0.00	1487.	36.0	DYNO HP	
						LO SPEED	25.	0.00	330.	18.0	DYNO HP	
						IDLE - D	17.	0.00	158.			
						IDLE - N	16.	0.00	53.			
	COMMENTS: ADJ. TIMING											

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APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
3	6071	1976	BUIC	ESTA	455	1975 FTP	1.05	8.71	896.7	1.87	9.71
						HWY FET	.27	2.15	580.4	2.16	15.17
	IDLE HC,PPM/HEXANE 30.					FED S CY	1.21	.34	737.1	.96	
	IDLE CO,PCT (MEAS) .02					NY/NJ	2.22	.46	935.5	.60	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	20.	.05	772.	30.0 IND HP	
						LO SPEED	41.	.01	134.		
						IDLE	21.	0.00	99.	625. RPM	
						2-SPD IDLE					
						HI IDLE	37.	.02	80.	2250. RPM	
						LO IDLE	25.	0.00	42.	745. RPM	
						FED 3-MODE					
						HI SPEED	27.	.04	953.	36.0 DYNO HP	
						LO SPEED	28.	0.00	283.	18.0 DYNO HP	
						IDLE - D	16.	0.00	112.		
						IDLE - N	14.	0.00	50.		
COMMENTS: ADJ.IRPM AND ICO											
4	6071	1976	BUIC	ESTA	455	1975 FTP	1.06	6.49	896.6	1.74	9.75
						HWY FET	.27	2.09	609.2	1.76	14.45
	IDLE HC,PPM/HEXANE 10.					FED S CY	.90	.43	736.3	.83	
	IDLE CO,PCT (MEAS) .02					NY/NJ	1.05	.11	945.7	.56	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	27.	.03	685.	30.0 IND HP	
						LO SPEED	59.	0.00	102.		
						IDLE	27.	0.00	141.	700. RPM	
						2-SPD IDLE					
						HI IDLE	50.	0.00	72.	2250. RPM	
						LO IDLE	32.	0.00	63.	800. RPM	
						FED 3-MODE					
						HI SPEED	26.	.01	826.	36.0 DYNO HP	
						LO SPEED	33.	0.00	243.	18.0 DYNO HP	
						IDLE - D	25.	0.00	160.		
						IDLE - N	21.	0.00	61.		
COMMENTS: MAJOR TUNE-UP - REPL. RAD. CAP AND AIR FILTER - ADJ. IRPM											

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	EMISSION RESULTS (GMS/MI) HC	CO	CO2	NOXC	FUEL ECON (MPG)
1	6072	1976	CADI	DEVI	500	1975 FTP	.65	3.23	949.0	1.86	9.28
						HWY FET	.15	.21	615.9	2.06	14.39
	IDLE HC.PPM/HEXANE 10.					FED S CY	.80	.48	769.8	1.07	
	IDLE CO.PCT (MEAS) .03					NY/NJ	.40	0.00	1024.0	1.16	
	IDLE CO.PCT (SPEC) 99.99										
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	11.	0.00	579.	30.0 IND HP	
						LO SPEED	13.	0.00	186.		
						IDLE	9.	0.00	157.	1090. RPM	
						2-SPD IDLE					
						HI IDLE	31.	0.00	74.	2250. RPM	
						LO IDLE	19.	0.00	42.	1080. RPM	
						FED 3-MODE					
						HI SPEED	6.	0.00	741.	36.0 DYNO HP	
						LO SPEED	9.	0.00	205.	18.0 DYNO HP	
						IDLE - D	4.	0.00	173.		
						IDLE - N	35.	0.00	45.		
	COMMENTS: LIMITER CAPS NOT APPLICABLE										
1	6073	1976	CADI	DEVI	500	1975 FTP	.53	5.77	958.0	2.16	9.16
						HWY FET	.09	.05	631.1	1.55	14.04
	IDLE HC.PPM/HEXANE 10.					FED S CY	.43	.52	681.1	1.20	
	IDLE CO.PCT (MEAS) .03					NY/NJ	.34	0.00	848.6	1.14	
	IDLE CO.PCT (SPEC) 99.99										
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	21.	0.00	282.	30.0 IND HP	
						LO SPEED	27.	0.00	208.		
						IDLE	20.	0.00	167.	600. RPM	
						2-SPD IDLE					
						HI IDLE	33.	0.00	85.	2250. RPM	
						LO IDLE	24.	0.00	91.	800. RPM	
						FED 3-MODE					
						HI SPEED	15.	0.00	306.	36.0 DYNO HP	
						LO SPEED	20.	0.00	230.	18.0 DYNO HP	
						IDLE - D	15.	0.00	173.		
						IDLE - N	20.	0.00	80.		
	COMMENTS: LIMITER CAPS OK										

APPENDIX M

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
3	6073	1976	CADI	DEVI	500	1975 FTP	.54	4.99	902.4	1.93	9.73
						HWY FET	.08	.02	657.5	1.54	13.48
	IDLE HC,PPM/HEXANE 15.					FED S CY	.49	.17	732.6	1.17	
	IDLE CO,PCT (MEAS) .01					NY/NJ	.58	1.88	884.4	1.19	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	18.	0.00	302.	30.0 IND HP	
						LO SPEED	22.	0.00	194.		
						IDLE	18.	0.00	247.	640. RPM	
						2-SPD IDLE					
						HI IDLE	28.	0.00	87.	2250. RPM	
						LO IDLE	30.	0.00	122.	850. RPM	
						FED 3-MODE					
						HI SPEED	21.	0.00	347.	36.0 DYNO HP	
						LO SPEED	25.	0.00	203.	18.0 DYNO HP	
						IDLE - D	20.	0.00	254.		
						IDLE - N	28.	0.00	104.		
	COMMENTS: ADJ IRPM AND ICO										
1	6074	1976	CHEV	CHET	85	1975 FTP	.59	4.59	405.7	.95	21.40
						HWY FET	.03	.21	282.0	1.24	31.45
	IDLE HC,PPM/HEXANE 20.					FED S CY	.25	1.87	371.6	.75	
	IDLE CO,PCT (MEAS) .03					NY/NJ	.58	5.55	509.0	1.44	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	31.	0.00	466.	15.0 IND HP	
						LO SPEED	30.	0.00	99.		
						IDLE	35.	0.00	37.	720. RPM	
						2-SPD IDLE					
						HI IDLE	21.	0.00	53.	2250. RPM	
						LO IDLE	28.	0.00	36.	1075. RPM	
						FED 3-MODE					
						HI SPEED	25.	0.00	756.	21.0 DYNO HP	
						LO SPEED	22.	0.00	322.	9.0 DYNO HP	
						IDLE - D	23.	0.00	48.		
						IDLE - N	22.	0.00	40.		
	COMMENTS: LIMITER CAP BROKEN										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	EMISSION RESULTS (GMS/MI) HC	CO	CO2	NOXC	FUEL ECON (MPG)
1	6075	1976	CHEV	IMPA	400	1975 FTP	.64	3.70	778.3	2.12	11.29
						HWY FET	.14	.24	571.0	2.17	15.50
	IDLE HC,PPM/HEXANE 40.					FED S CY	.28	0.00	613.7	1.29	
	IDLE CO,PCT (MEAS) .04					NY/NJ	.40	0.00	815.3	1.10	
	IDLE CO,PCT (SPEC) 99.99										
							HC, PPM	CO, PCT	NOX, PPM		
						KEY MODE					
						HI SPEED	30.	0.00	512.	30.0 IND HP	
						LO SPEED	40.	0.00	186.		
						IDLE	39.	0.00	194.	610. RPM	
						2-SPD IDLE					
						HI IDLE	24.	0.00	85.	2250. RPM	
						LO IDLE	32.	0.00	46.	810. RPM	
						FED 3-MODE					
						HI SPEED	29.	0.00	491.	31.0 DYNO HP	
						LO SPEED	34.	0.00	238.	15.0 DYNO HP	
						IDLE - D	35.	0.00	134.		
						IDLE - N	34.	0.00	51.		
	COMMENTS: LIMITER CAPS OK - DEFECTIVE THERMOSTAT										
3	6075	1976	CHEV	IMPA	400	1975 FTP	.49	2.63	791.3	2.09	11.14
						HWY FET	.12	.08	604.1	2.30	14.66
	IDLE HC,PPM/HEXANE 80.					FED S CY	.43	.17	695.6	1.04	
	IDLE CO,PCT (MEAS) .05					NY/NJ	.46	0.00	847.6	.99	
	IDLE CO,PCT (SPEC) 99.99										
							HC, PPM	CO, PCT	NOX, PPM		
						KEY MODE					
						HI SPEED	10.	0.00	439.	30.0 IND HP	
						LO SPEED	17.	0.00	165.		
						IDLE	16.	0.00	210.	625. RPM	
						2-SPD IDLE					
						HI IDLE	21.	0.00	71.	2250. RPM	
						LO IDLE	21.	0.00	52.	900. RPM	
						FED 3-MODE					
						HI SPEED	14.	0.00	452.	31.0 DYNO HP	
						LO SPEED	14.	0.00	197.	15.0 DYNO HP	
						IDLE - D	15.	0.00	215.		
						IDLE - N	11.	0.00	61.		
	COMMENTS: ADJ. IRPM AND MIXTURE										

APPENDIX B

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	---- EMISSION RESULTS (GMS/MI) ---- HC	CO	CO2	NOXC	FUEL ECON (MPG)
4	6075	1976	CHEV	IMPA	400	1975 FTP	.66	4.14	801.5	1.84	10.96
						HWY FET	.11	.09	598.5	1.83	14.81
	IDLE HC,PPM/HEXANE 35.					FED 5 CY	.60	1.26	676.4	1.06	
	IDLE CO,PCT (MEAS) .01					NY/NJ	.46	.46	839.6	1.15	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	14.	0.00	435.	30.0 IND HP	
						LO SPEED	22.	0.00	179.		
						IDLE	18.	0.00	239.	600. RPM	
						2-SPD IDLE					
						HI IDLE	10.	0.00	78.	2250. RPM	
						LO IDLE	15.	0.00	62.	900. RPM	
						FED 3-MODE					
						HI SPEED	12.	0.00	409.	31.0 DYNO HP	
						LO SPEED	15.	0.00	203.	15.0 DYNO HP	
						IDLE - D	15.	0.00	278.		
						IDLE - N	14.	0.00	68.		
COMMENTS: MAJOR TUNE-UP - REPL. AIR FILTER AND THERMOSTAT											
1	6076	1976	CHEV	MONZ	305	1975 FTP	1.07	7.71	599.4	2.22	14.43
						HWY FET	.06	.53	421.9	2.18	20.96
	IDLE HC,PPM/HEXANE 5.					FED 5 CY	.38	2.75	513.8	.89	
	IDLE CO,PCT (MEAS) .02					NY/NJ	.46	2.59	701.6	1.30	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	20.	0.00	1142.	24.0 IND HP	
						LO SPEED	15.	0.00	213.		
						IDLE	16.	0.00	167.	600. RPM	
						2-SPD IDLE					
						HI IDLE	17.	0.00	103.	2250. RPM	
						LO IDLE	26.	0.00	60.	900. RPM	
						FED 3-MODE					
						HI SPEED	17.	0.00	1391.	26.0 DYNO HP	
						LO SPEED	16.	0.00	308.	12.0 DYNO HP	
						IDLE - D	15.	0.00	148.		
						IDLE - N	17.	0.00	47.		
COMMENTS: LIMITER CAPS BROKEN - TIMING + 5											

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	EMISSION RESULTS (GMS/MI) HC	CO	CO2	NOXC	FUEL ECON (MPG)
2	6076	1976	CHEV	MONZ	305	1975 FTP	.57	6.29	601.4	1.38	14.48
						HWY FET	.04	.21	422.4	2.11	20.04
						FED 5 CY	.23	.04	504.2	.46	
						NY/NJ	.34	1.77	687.1	1.40	
	IDLE HC.PPM/HEXANE 5.										
	IDLE CO.PCT (MEAS) .02										
	IDLE CO.PCT (SPEC) 99.99										
							HC. PPM	CO. PCT	NOX. PPM		
						KEY MODE					
						HI SPEED	20.	0.00	926.	24.0 IND HP	
						LO SPEED	19.	0.00	216.		
						IDLE	32.	0.00	76.	600. RPM	
						2-SPD IDLE					
						HI IDLE	7.	0.00	105.	2250. RPM	
						LO IDLE	18.	0.00	67.	800. RPM	
						FED 3-MODE					
						HI SPEED	14.	0.00	960.	26.0 DYNO HP	
						LO SPEED	9.	0.00	299.	12.0 DYNO HP	
						IDLE - D	13.	0.00	110.		
						IDLE - N	17.	0.00	79.		
	COMMENTS: ADJ. TIMING										
1	6077	1976	CHEV	NOVA	250	1975 FTP	.76	3.96	609.4	1.47	14.36
						HWY FET	.12	.04	463.4	1.50	19.12
						FED 5 CY	.88	.04	545.2	.53	
						NY/NJ	2.22	.35	665.5	.61	
	IDLE HC.PPM/HEXANE 55.										
	IDLE CO.PCT (MEAS) .06										
	IDLE CO.PCT (SPEC) 99.99										
							HC. PPM	CO. PCT	NOX. PPM		
						KEY MODE					
						HI SPEED	32.	0.00	230.	24.0 IND HP	
						LO SPEED	61.	0.00	45.		
						IDLE	34.	0.00	60.	600. RPM	
						2-SPD IDLE					
						HI IDLE	152.	0.00	11.	2250. RPM	
						LO IDLE	11.	0.00	27.	700. RPM	
						FED 3-MODE					
						HI SPEED	19.	0.00	236.	26.0 DYNO HP	
						LO SPEED	23.	0.00	112.	12.0 DYNO HP	
						IDLE - D	22.	0.00	80.		
						IDLE - N	18.	0.00	42.		
	COMMENTS: LIMITER CAPS OK										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	---- EMISSION RESULTS (GMS/MI) ---- HC	CO	CO2	NOXC	FUEL ECON (MPG)
1	6078	1976	CHEV	CAPR	400	1975 FTP	.62	5.18	774.5	1.69	11.36
						HWY FET	.05	.01	545.5	1.52	16.26
	IDLE HC,PPM/HEXANE 45.					FED 5 CY	.43	.17	638.5	1.01	
	IDLE CO,PCT (MEAS) .04					NY/NJ	.40	0.00	797.3	1.17	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	20.	0.00	423.	30.0 IND HP	
						LO SPEED	24.	0.00	211.		
						IDLE	21.	0.00	167.	600. RPM	
						2-SPD IDLE					
						HI IDLE	17.	0.00	77.	2250. RPM	
						LO IDLE	32.	0.00	44.	810. RPM	
						FED 3-MODE					
						HI SPEED	5.	0.00	398.	31.0 DYNO HP	
						LO SPEED	9.	0.00	160.	15.0 DYNO HP	
						IDLE - D	6.	0.00	158.		
						IDLE - N	8.	0.00	43.		
COMMENTS: LIMITER CAPS OK - TIMING +4 - DEFECTIVE THERMOSTAT											
2	6078	1976	CHEV	CAPR	400	1975 FTP	.58	3.60	781.3	1.43	11.25
						HWY FET	.06	.01	597.5	1.35	14.84
	IDLE HC,PPM/HEXANE 100.					FED 5 CY	.34	.04	653.4	.84	
	IDLE CO,PCT (MEAS) .15					NY/NJ	.34	0.00	812.3	.75	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	8.	0.00	371.	30.0 IND HP	
						LO SPEED	16.	0.00	110.		
						IDLE	10.	0.00	132.	600. RPM	
						2-SPD IDLE					
						HI IDLE	19.	0.00	67.	2250. RPM	
						LO IDLE	20.	0.00	37.	800. RPM	
						FED 3-MODE					
						HI SPEED	14.	0.00	342.	31.0 DYNO HP	
						LO SPEED	15.	0.00	169.	15.0 DYNO HP	
						IDLE - D	15.	0.00	135.		
						IDLE - N	15.	0.00	116.		
COMMENTS: ADJ. TIMING											

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	EMISSION RESULTS (GMS/MI) HC	CO	CO2	NOXC	FUEL ECON (MPG)
1	6079	1976	CHEV	NOVA	250	1975 FTP	.71	3.71	638.9	1.42	13.72
						HWY FET	.08	0.00	509.8	1.47	17.39
	IDLE HC.PPM/HEXANE 0.					FED S CY	.45	0.00	552.5	.49	
	IDLE CO.PCT (MEAS) 0.00					NY/NJ	1.22	0.00	703.0	.57	
	IDLE CO.PCT (SPEC) 99.99										
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	8.	0.00	318.	24.0 IND HP	
						LO SPEED	18.	0.00	90.		
						IDLE	8.	0.00	87.	600. RPM	
						2-SPD IDLE					
						HI IDLE	150.	0.00	50.	2250. RPM	
						LO IDLE	26.	0.00	42.	720. RPM	
						FED 3-MODE					
						HI SPEED	8.	0.00	410.	26.0 DYNO HP	
						LO SPEED	7.	0.00	115.	12.0 DYNO HP	
						IDLE - D	6.	0.00	79.		
						IDLE - N	7.	0.00	30.		
	COMMENTS: LIMITER CAPS OK										
1	6080	1976	CHEV	IMPA	400	1975 FTP	.45	2.76	902.4	1.82	9.77
						HWY FET	.07	0.00	684.2	1.65	12.95
	IDLE HC.PPM/HEXANE 10.					FED S CY	.28	0.00	766.3	.96	
	IDLE CO.PCT (MEAS) .04					NY/NJ	.29	0.00	855.6	1.11	
	IDLE CO.PCT (SPEC) 99.99										
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	17.	0.00	310.	30.0 IND HP	
						LO SPEED	27.	0.00	150.		
						IDLE	18.	0.00	188.	600. RPM	
						2-SPD IDLE					
						HI IDLE	35.	0.00	69.	2250. RPM	
						LO IDLE	17.	0.00	54.	900. RPM	
						FED 3-MODE					
						HI SPEED	15.	0.00	451.	36.0 DYNO HP	
						LO SPEED	15.	0.00	195.	15.0 DYNO HP	
						IDLE - D	14.	0.00	176.		
						IDLE - N	15.	0.00	52.		
	COMMENTS: LIMITER CAPS OK										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)	
							---- EMISSION RESULTS (GMS/MI) ----					
1	6081	1976	CHEV	MONT	350	1975 FTP	.77	4.05	747.2	1.93	11.74	
						HWY FET	.17	.47	478.5	2.22	18.49	
	IDLE HC,PPM/HEXANE 20.					FED S CY	.54	0.00	620.9	1.11		
	IDLE CO,PCT (MEAS) .03					NY/NJ	.75	.20	835.7	.92		
	IDLE CO,PCT (SPEC) 99.99											
							HC,	CO,	NOX,			
						KEY MODE	PPM	PCT	PPM			
						HI SPEED	22.	0.00	804.	30.0	IND HP	
						LO SPEED	24.	0.00	206.			
						IDLE	22.	0.00	83.	600.	RPM	
						2-SPD IDLE						
						HI IDLE	7.	0.00	82.	2250.	RPM	
						LO IDLE	42.	0.00	32.	700.	RPM	
						FED 3-MODE						
						HI SPEED	20.	0.00	820.	31.0	DYNO HP	
						LO SPEED	20.	0.00	335.	15.0	DYNO HP	
						IDLE - D	19.	0.00	105.			
						IDLE - N	21.	0.00	38.			
COMMENTS: LIMITER CAPS OK - TIMING - 3 DEGREES												
EFE DISABLED WITH SPRING AND IMPROPERLY PLACED EFE CHECK VALVE												
2	6081	1976	CHEV	MONT	350	1975 FTP	.38	3.52	751.4	2.18	11.71	
						HWY FET	.06	.50	544.2	2.91	16.26	
	IDLE HC,PPM/HEXANE 20.					FED S CY	.38	0.00	615.7	1.12		
	IDLE CO,PCT (MEAS) .02					NY/NJ	.58	0.00	803.0	.94		
	IDLE CO,PCT (SPEC) 99.99											
							HC,	CO,	NOX,			
						KEY MODE	PPM	PCT	PPM			
						HI SPEED	8.	0.00	789.	30.0	IND HP	
						LO SPEED	4.	0.00	218.			
						IDLE	8.	0.00	124.	600.	RPM	
						2-SPD IDLE						
						HI IDLE	3.	0.00	88.	2250.	RPM	
						LO IDLE	123.	0.00	33.	770.	RPM	
						FED 3-MODE						
						HI SPEED	11.	0.00	837.	31.0	DYNO HP	
						LO SPEED	6.	0.00	246.	15.0	DYNO HP	
						IDLE - D	8.	0.00	120.			
						IDLE - N	17.	0.00	31.			
COMMENTS: ADJ. TIMING - REMOVE SPRING FROM EFE												

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
3	6081	1976	CHEV	MONT	350	1975 FTP	.38	3.13	724.7	2.28	12.14
						HWY FET	.04	0.00	524.9	3.06	16.89
	IDLE HC.PPM/HEXANE 20.					FED S CY	.25	0.00	593.1	1.31	
	IDLE CO.PCT (MEAS) .03					NY/NJ	.47	.02	788.9	1.15	
	IDLE CO.PCT (SPEC) 99.99										
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	14.	0.00	943.	30.0 IND HP	
						LO SPEED	9.	0.00	246.		
						IDLE	15.	0.00	97.	600. RPM	
						2-SPD IDLE					
						HI IDLE	3.	0.00	97.	2250. RPM	
						LO IDLE	17.	0.00	44.	900. RPM	
						FED 3-MODE					
						HI SPEED	8.	0.00	764.	31.0 DYNO HP	
						LO SPEED	6.	0.00	275.	15.0 DYNO HP	
						IDLE - D	8.	0.00	120.		
						IDLE - N	6.	0.00	59.		
	COMMENTS: ADJ. IRPM AND MIXTURE										
4	6081	1976	CHEV	MONT	350	1975 FTP	.54	5.09	710.8	2.06	12.32
						HWY FET	.05	.27	492.7	2.58	17.99
	IDLE HC.PPM/HEXANE 30.					FED S CY	.38	.48	588.7	1.02	
	IDLE CO.PCT (MEAS) .02					NY/NJ	.58	.35	789.6	1.05	
	IDLE CO.PCT (SPEC) 99.99										
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	4.	0.00	658.	30.0 IND HP	
						LO SPEED	1.	0.00	158.		
						IDLE	7.	0.00	107.	600. RPM	
						2-SPD IDLE					
						HI IDLE	8.	0.00	64.	2250. RPM	
						LO IDLE	14.	0.00	35.	800. RPM	
						FED 3-MODE					
						HI SPEED	8.	0.00	729.	31.0 DYNO HP	
						LO SPEED	4.	0.00	217.	15.0 DYNO HP	
						IDLE - D	6.	0.00	111.		
						IDLE - N	7.	0.00	40.		
	COMMENTS: MAJOR TUNE-UP REPL. RAD CAP, AIR AND CRK. VENT FILTERS. #3 AND 7 PLUG WIRES, RELOC. EFE CHECK VALVE										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
1	6082	1976	CHEV	MONT	350	1975 FTP	.55	3.71	722.8	2.27	12.15
						HWY FET	.09	.01	529.2	2.87	16.75
	IDLE HC,PPM/HEXANE 25.					FED S CY	.25	0.00	586.2	1.34	
	IDLE CO,PCT (MEAS) .04					NY/NJ	.34	1.06	790.2	1.52	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	18.	0.00	931.	30.0 IND HP	
						LO SPEED	18.	0.00	235.		
						IDLE	22.	0.00	242.	750. RPM	
						2-SPD IDLE					
						HI IDLE	17.	0.00	71.	2250. RPM	
						LO IDLE	23.	0.00	42.	1000. RPM	
						FED 3-MODE					
						HI SPEED	20.	0.00	942.	31.0 DYNO HP	
						LO SPEED	22.	0.00	470.	15.0 DYNO HP	
						IDLE - D	21.	0.00	248.		
						IDLE - N	16.	0.00	63.		
	COMMENTS: LIMITER CAPS OK - HEATED AIR TUBE DISC. AT AIR CLNR-FAIL PER EPA										
2	6082	1976	CHEV	MONT	350	1975 FTP	.54	3.89	715.9	2.08	12.26
						HWY FET	.06	.16	535.1	2.73	16.56
	IDLE HC,PPM/HEXANE 30.					FED S CY	.23	0.00	606.7	1.28	
	IDLE CO,PCT (MEAS) .03					NY/NJ	.29	0.00	804.5	1.41	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	13.	0.00	725.	30.0 IND HP	
						LO SPEED	15.	0.00	260.		
						IDLE	16.	0.00	174.	650. RPM	
						2-SPD IDLE					
						HI IDLE	17.	0.00	71.	2250. RPM	
						LO IDLE	21.	0.00	40.	950. RPM	
						FED 3-MODE					
						HI SPEED	21.	0.00	661.	31.0 DYNO HP	
						LO SPEED	24.	0.00	373.	15.0 DYNO HP	
						IDLE - D	24.	0.00	253.		
						IDLE - N	20.	0.00	50.		
	COMMENTS: RECON. HEATED AIR TUBE										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	---- EMISSION RESULTS (GMS/MI) ---- HC	CO	CO2	NOXC	FUEL ECON (MPG)
3	6082	1976	CHEV	MONT	350	1975 FTP	.74	4.02	754.3	2.00	11.63
						HWY FET	.06	0.00	515.0	2.82	17.21
	IDLE HC.PPM/HEXANE 15.					FED S CY	.21	0.00	606.0	1.29	
	IDLE CO.PCT (MEAS) .01					NY/NJ	.29	0.00	808.2	1.02	
	IDLE CO.PCT (SPEC) 99.99										
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	32.	0.00	667.	30.0 IND HP	
						LO SPEED	33.	0.00	252.		
						IDLE	36.	0.00	196.	600. RPM	
						2-SPD IDLE					
						HI IDLE	30.	0.00	62.	2250. RPM	
						LO IDLE	31.	0.00	39.	900. RPM	
						FED 3-MODE					
						HI SPEED	20.	0.00	762.	31.0 DYNO HP	
						LO SPEED	16.	0.00	243.	15.0 DYNO HP	
						IDLE - D	21.	0.00	249.		
						IDLE - N	18.	0.00	63.		
	COMMENTS: ADJ. IRPM AND ICO										
1	6083	1976	CHEV	MONT	350	1975 FTP	.45	2.53	713.2	2.15	12.35
						HWY FET	.05	.25	519.7	2.70	17.04
	IDLE HC.PPM/HEXANE 25.					FED S CY	.17	0.00	589.3	1.18	
	IDLE CO.PCT (MEAS) .03					NY/NJ	.23	0.00	739.8	.93	
	IDLE CO.PCT (SPEC) 99.99										
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	21.	0.00	869.	30.0 IND HP	
						LO SPEED	20.	0.00	212.		
						IDLE	20.	0.00	176.	600. RPM	
						2-SPD IDLE					
						HI IDLE	17.	0.00	78.	2250. RPM	
						LO IDLE	23.	0.00	40.	800. RPM	
						FED 3-MODE					
						HI SPEED	28.	0.00	853.	31.0 DYNO HP	
						LO SPEED	23.	0.00	315.	15.0 DYNO HP	
						IDLE - D	22.	0.00	176.		
						IDLE - N	18.	0.00	62.		
	COMMENTS: LIMITER CAPS OK										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	EMISSION RESULTS (GMS/MI) HC	CO	CO2	NOXC	FUEL ECON (MPG)
3	6083	1976	CHEV	MONT	350	1975 FTP	.35	1.99	723.9	2.08	12.19
						HWY FET	.04	0.00	532.2	2.74	16.67
	IDLE HC,PPM/HEXANE 10.					FED S CY	.17	0.00	601.9	1.19	
	IDLE CO,PCT (MEAS) .01					NY/NJ	.23	0.00	802.5	1.00	
	IDLE CO,PCT (SPEC) 99.99										
							HC, PPM	CO, PCT	NOX, PPM		
						KEY MODE					
						HI SPEED	20.	0.00	960.	30.0 IND HP	
						LO SPEED	20.	0.00	310.		
						IDLE	17.	0.00	232.	600. RPM	
						2-SPD IDLE					
						HI IDLE	18.	0.00	74.	2250. RPM	
						LO IDLE	23.	0.00	42.	800. RPM	
						FED 3-MODE					
						HI SPEED	21.	0.00	738.	31.0 DYNO HP	
						LO SPEED	21.	0.00	403.	15.0 DYNO HP	
						IDLE - D	18.	0.00	164.		
						IDLE - N	17.	0.00	60.		
	COMMENTS: ADJ. IRPM AND ICO										
4	6083	1976	CHEV	MONT	350	1975 FTP	.33	2.01	746.6	2.43	11.82
						HWY FET	.04	0.00	540.7	2.99	16.39
	IDLE HC,PPM/HEXANE 10.					FED S CY	.17	0.00	617.0	1.42	
	IDLE CO,PCT (MEAS) .03					NY/NJ	.29	1.53	821.2	1.05	
	IDLE CO,PCT (SPEC) 99.99										
							HC, PPM	CO, PCT	NOX, PPM		
						KEY MODE					
						HI SPEED	34.	0.00	855.	30.0 IND HP	
						LO SPEED	32.	0.00	267.		
						IDLE	32.	0.00	219.	625. RPM	
						2-SPD IDLE					
						HI IDLE	29.	0.00	82.	2250. RPM	
						LO IDLE	32.	0.00	39.	815. RPM	
						FED 3-MODE					
						HI SPEED	35.	0.00	858.	31.0 DYNO HP	
						LO SPEED	33.	0.00	298.	15.0 DYNO HP	
						IDLE - D	32.	0.00	206.		
						IDLE - N	31.	0.00	42.		
	COMMENTS: MAJOR TUNE-UP - REPL. RAD. CAP, NOS. 2,4,6,8 PLUG WIRES										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL CID	TEST TYPE	---- EMISSION RESULTS (GMS/MI) ---- HC	CO	CO2	NOXC	FUEL ECON (MPG)
6	6083	1976	CHEV	MONT 350	1975 FTP	.50	3.50	730.1	2.67	12.04
					HWY FET	.07	0.00	518.2	3.18	17.09
	IDLE HC,PPM/HEXANE 10.				FED S CY	.21	0.00	619.7	1.60	
	IDLE CO,PCT (MEAS) .02				NY/NJ	.29	.11	793.2	1.44	
	IDLE CO,PCT (SPEC) 99.99									
						HC,	CO,	NOX,		
					KEY MODE	PPM	PCT	PPM		
					HI SPEED	32.	0.00	1009.	30.0 IND HP	
					LO SPEED	31.	0.00	267.		
					IDLE	33.	0.00	211.	625. RPM	
					2-SPD IDLE					
					HI IDLE	14.	0.00	82.	2250. RPM	
					LO IDLE	20.	0.00	43.	865. RPM	
					FED 3-MODE					
					HI SPEED	39.	0.00	1035.	31.0 DYNO HP	
					LO SPEED	41.	0.00	409.	15.0 DYNO HP	
					IDLE - D	40.	0.00	245.		
					IDLE - N	40.	0.00	52.		
	COMMENTS: NO. 8 PLUG WIRE ARCING									
1	6084	1976	CHEV	MONT 350	1975 FTP	.47	4.23	808.9	1.83	10.86
					HWY FET	.05	.45	629.0	2.28	14.08
	IDLE HC,PPM/HEXANE 15.				FED S CY	.21	.21	681.3	.96	
	IDLE CO,PCT (MEAS) .01				NY/NJ	.23	0.00	889.1	.92	
	IDLE CO,PCT (SPEC) 99.99									
						HC,	CO,	NOX,		
					KEY MODE	PPM	PCT	PPM		
					HI SPEED	14.	0.00	680.	30.0 IND HP	
					LO SPEED	14.	0.00	205.		
					IDLE	13.	0.00	166.	625. RPM	
					2-SPD IDLE					
					HI IDLE	19.	0.00	60.	2250. RPM	
					LO IDLE	24.	0.00	44.	865. RPM	
					FED 3-MODE					
					HI SPEED	20.	0.00	630.	31.0 DYNO HP	
					LO SPEED	17.	0.00	234.	15.0 DYNO HP	
					IDLE - D	20.	0.00	184.		
					IDLE - N	19.	0.00	53.		
	COMMENTS: LIMITED CAPS OF - HEATED AIR TUBE DISC AT AIR CLNR-PASS PER EPA									

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	---- EMISSION RESULTS (GMS/MI) ---- HC	CO	CO2	NOXC	FUEL ECON (MPG)
1	6085	1976	CHEV	MONT	400	1975 FTP	.35	.99	724.0	2.77	12.21
						HWY FET	.05	0.00	514.3	3.59	17.24
	IDLE HC,PPM/HEXANE 40.					FED S CY	.62	0.00	599.0	1.32	
	IDLE CO,PCT (MEAS) .02					NY/NJ	.58	0.00	798.6	1.31	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	17.	0.00	584.	30.0 IND HP	
						LO SPEED	20.	0.00	290.		
						IDLE	24.	0.00	149.	550. RPM	
						2-SPD IDLE					
						HI IDLE	9.	0.00	109.	2250. RPM	
						LO IDLE	68.	0.00	45.	700. RPM	
						FED 3-MODE					
						HI SPEED	10.	0.00	786.	31.0 DYNO HP	
						LO SPEED	12.	0.00	461.	15.0 DYNO HP	
						IDLE - D	9.	0.00	188.		
						IDLE - N	27.	0.00	55.		
	COMMENTS: LIMITER CAPS OK - VAC HOSE TO AC TEMP. SENSOR DISC.										
2	6085	1976	CHEV	MONT	400	1975 FTP	.38	3.52	716.2	3.28	12.28
						HWY FET	.03	0.00	516.0	4.19	17.18
	IDLE HC,PPM/HEXANE 20.					FED S CY	.21	0.00	584.4	2.49	
	IDLE CO,PCT (MEAS) .02					NY/NJ	.23	0.00	757.5	2.31	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	14.	0.00	1108.	30.0 IND HP	
						LO SPEED	11.	0.00	502.		
						IDLE	8.	0.00	144.	625. RPM	
						2-SPD IDLE					
						HI IDLE	7.	0.00	134.	2250. RPM	
						LO IDLE	15.	0.00	49.	810. RPM	
						FED 3-MODE					
						HI SPEED	16.	0.00	1205.	31.0 DYNO HP	
						LO SPEED	12.	0.00	772.	15.0 DYNO HP	
						IDLE - D	8.	0.00	186.		
						IDLE - N	10.	0.00	46.		
	COMMENTS: RECON. VAC HOSE										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	EMISSION RESULTS (GMS/MI) HC	CO	CO2	NOXC	FUEL ECON (MPG)
3	6085	1976	CHEV	MONT	400	1975 FTP	.51	2.14	714.6	3.88	12.33
						HWY FET	.03	0.00	496.3	4.15	17.86
	IDLE HC.PPM/HEXANE 12.					FED S CY	.15	0.00	592.8	2.67	
	IDLE CO.PCT (MEAS) .03					NY/NJ	.23	0.00	810.3	2.66	
	IDLE CO.PCT (SPEC) 99.99										
						KEY MODE	HC, PPM	CO. PCT	NOX. PPM		
						HI SPEED	16.	0.00	426.	30.0 IND HP	
						LO SPEED	16.	0.00	525.		
						IDLE	13.	0.00	202.	800. RPM	
						2-SPD IDLE					
						HI IDLE	5.	0.00	144.	2250. RPM	
						LO IDLE	10.	0.00	66.	1000. RPM	
						FED 3-MODE					
						HI SPEED	13.	0.00	460.	31.0 DYNO HP	
						LO SPEED	9.	0.00	652.	15.0 DYNO HP	
						IDLE - D	6.	0.00	273.		
						IDLE - N	6.	0.00	92.		
	COMMENTS: ADJ. IRPM AND MIXTURE										
4	6085	1976	CHEV	MONT	400	1975 FTP	.28	2.04	730.0	3.65	12.09
						HWY FET	.03	0.00	529.0	4.40	16.76
	IDLE HC.PPM/HEXANE 15.					FED S CY	.12	0.00	581.8	2.94	
	IDLE CO.PCT (MEAS) .01					NY/NJ	.11	0.00	781.5	2.09	
	IDLE CO.PCT (SPEC) 99.99										
						KEY MODE	HC, PPM	CO. PCT	NOX. PPM		
						HI SPEED	13.	0.00	795.	30.0 IND HP	
						LO SPEED	12.	0.00	402.		
						IDLE	13.	0.00	189.	810. RPM	
						2-SPD IDLE					
						HI IDLE	6.	0.00	124.	2250. RPM	
						LO IDLE	13.	0.00	46.	900. RPM	
						FED 3-MODE					
						HI SPEED	11.	0.00	827.	31.0 DYNO HP	
						LO SPEED	12.	0.00	664.	15.0 DYNO HP	
						IDLE - D	11.	0.00	173.		
						IDLE - N	7.	0.00	74.		
	COMMENTS: MAJOR TUNE-UP - REPL. RAD CAP. AIR AND CRK. VENT FILTERS										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	---- EMISSION RESULTS (GMS/MI) ---- HC	CO	CO2	NOXC	FUEL ECON (MPG)
1	6086	1976	CHEV	CAPR	350	1975 FTP	1.26	9.77	729.0	2.02	11.86
						HWY FET	.06	0.00	534.3	2.65	16.58
	IDLE HC.PPM/HEXANE 45.					FED S CY	.38	0.00	559.2	1.40	
	IDLE CO.PCT (MEAS) .02					NY/NJ	.40	0.00	717.4	1.03	
	IDLE CO.PCT (SPEC) 99.99										
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	31.	0.00	928.	30.0 IND HP	
						LO SPEED	32.	0.00	205.		
						IDLE	37.	0.00	210.	700. RPM	
						2-SPD IDLE					
						HI IDLE	23.	0.00	64.	2250. RPM	
						LO IDLE	55.	0.00	28.	680. RPM	
						FED 3-MODE					
						HI SPEED	25.	0.00	931.	31.0 DYNO HP	
						LO SPEED	28.	0.00	277.	15.0 DYNO HP	
						IDLE - D	39.	0.00	87.		
						IDLE - N	33.	0.00	42.		
	COMMENTS: LIMITER CAPS OK - CHOKE SET 2R - HEATED AIR TUBE DISC.										
2	6086	1976	CHEV	CAPR	350	1975 FTP	.61	5.46	714.7	2.14	12.24
						HWY FET	.04	.19	440.5	2.21	20.12
	IDLE HC.PPM/HEXANE 40.					FED S CY	.36	.26	591.3	1.34	
	IDLE CO.PCT (MEAS) .04					NY/NJ	.46	0.00	726.1	.86	
	IDLE CO.PCT (SPEC) 99.99										
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	35.	0.00	1138.	30.0 IND HP	
						LO SPEED	35.	0.00	355.		
						IDLE	36.	0.00	121.	525. RPM	
						2-SPD IDLE					
						HI IDLE	35.	0.00	59.	2250. RPM	
						LO IDLE	47.	0.00	26.	650. RPM	
						FED 3-MODE					
						HI SPEED	36.	0.00	688.	31.0 DYNO HP	
						LO SPEED	35.	0.00	214.	15.0 DYNO HP	
						IDLE - D	39.	0.00	75.		
						IDLE - N	38.	0.00	19.		
	COMMENTS: ADJ. CHOKE - RECON. HEATED AIR TUBE										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
3	6086	1976	CHEV	CAPR	350	1975 FTP	.57	3.58	720.5	1.66	12.19
						HWY FET	.12	.33	521.7	1.95	16.98
	IDLE HC,PPM/HEXANE 45.					FED S CY	.47	.08	611.7	.89	
	IDLE CO,PCT (MEAS) .03					NY/NJ	.69	.11	812.1	.55	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	17.	.01	714.	30.0 IND HP	
						LO SPEED	24.	0.00	148.		
						IDLE	34.	0.00	122.	700. RPM	
						2-SPD IDLE					
						HI IDLE	18.	0.00	66.	2250. RPM	
						LO IDLE	32.	0.00	43.	900. RPM	
						FED 3-MODE					
						HI SPEED	27.	.01	625.	31.0 DYNO HP	
						LO SPEED	30.	0.00	164.	15.0 DYNO HP	
						IDLE - D	43.	0.00	135.		
						IDLE - N	33.	0.00	39.		
	COMMENTS: ADJ. IRPM AND MIXTURE										
1	6087	1976	CHEV	IMPA	350	1975 FTP	1.39	6.62	753.7	2.38	11.55
						HWY FET	.54	2.58	550.1	3.23	15.95
	IDLE HC,PPM/HEXANE 90.					FED S CY	1.00	1.18	622.9	1.48	
	IDLE CO,PCT (MEAS) .08					NY/NJ	1.36	2.08	806.7	1.26	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	31.	.03	955.	30.0 IND HP	
						LO SPEED	44.	.03	268.		
						IDLE	69.	0.00	196.	620. RPM	
						2-SPD IDLE					
						HI IDLE	17.	.01	88.	2250. RPM	
						LO IDLE	40.	0.00	44.	820. RPM	
						FED 3-MODE					
						HI SPEED	26.	.02	460.	31.0 DYNO HP	
						LO SPEED	26.	.01	285.	15.0 DYNO HP	
						IDLE - D	74.	0.00	177.		
						IDLE - N	35.	0.00	44.		
	COMMENTS: LIMITER CAPS OK										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
3	6087	1976	CHEV	IMPA	350	1975 FTP	1.22	6.75	735.3	2.28	11.84
						HWY FET	.56	2.39	532.9	2.97	16.47
	IDLE HC,PPM/HEXANE 75.					FED S CY	.73	.61	616.3	1.33	
	IDLE CO,PCT (MEAS) .04					NY/NJ	.93	1.41	804.3	1.20	
	IDLE CO,PCT (SPEC) 99.99						HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	44.	.03	960.	30.0 IND HP	
						LO SPEED	50.	.01	218.		
						IDLE	64.	0.00	155.	650. RPM	
						2-SPD IDLE					
						HI IDLE	32.	.01	83.	2250. RPM	
						LO IDLE	54.	0.00	41.	900. RPM	
						FED 3-MODE					
						HI SPEED	36.	.01	883.	31.0 DYNO HP	
						LO SPEED	50.	.02	334.	15.0 DYNO HP	
						IDLE - D	62.	0.00	173.		
						IDLE - N	39.	0.00	44.		
	COMMENTS: ADJ. IRPM AND MIXTURE										
4	6087	1976	CHEV	IMPA	350	1975 FTP	.99	6.38	753.9	1.93	11.57
						HWY FET	.43	2.39	521.5	2.21	16.84
	IDLE HC,PPM/HEXANE 60.					FED S CY	.97	1.96	622.1	1.09	
	IDLE CO,PCT (MEAS) .02					NY/NJ	.81	1.41	810.5	1.11	
	IDLE CO,PCT (SPEC) 99.99						HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	41.	.03	958.	30.0 IND HP	
						LO SPEED	41.	.01	166.		
						IDLE	54.	0.00	159.	600. RPM	
						2-SPD IDLE					
						HI IDLE	20.	0.00	72.	2250. RPM	
						LO IDLE	32.	0.00	39.	900. RPM	
						FED 3-MODE					
						HI SPEED	35.	.02	915.	31.0 DYNO HP	
						LO SPEED	41.	.03	347.	15.0 DYNO HP	
						IDLE - D	45.	0.00	217.		
						IDLE - N	28.	0.00	47.		
	COMMENTS: MAJOR TUNE-UP - REPL. RAD CAP, CRK VENT FILTER - ADJ. TIMING, IRPM										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	EMISSION RESULTS (GMS/MI) HC	CO	CO2	NOXC	FUEL ECON (MPG)
1	6088	1976	CHEV	IMPA	350	1975 FTP	1.21	7.71	723.2	2.08	12.01
						HWY FET	.48	2.11	540.5	2.77	16.26
	IDLE HC.PPM/HEXANE 115.					FED S CY	.97	1.74	615.4	1.13	
	IDLE CO.PCT (MEAS) .25					NY/NJ	1.05	1.53	811.0	1.01	
	IDLE CO.PCT (SPEC) 99.99										
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	39.	.03	920.	30.0 IND HP	
						LO SPEED	54.	.06	110.		
						IDLE	74.	.01	87.	650. RPM	
						2-SPD IDLE					
						HI IDLE	21.	.02	70.	2250. RPM	
						LO IDLE	42.	0.00	35.	900. RPM	
						FED 3-MODE					
						HI SPEED	40.	.03	845.	31.0 DYNO HP	
						LO SPEED	49.	.03	298.	15.0 DYNO HP	
						IDLE - D	68.	.02	90.		
						IDLE - N	50.	.01	41.		
	COMMENTS: LIMITER CAPS OK										
3	6088	1976	CHEV	IMPA	350	1975 FTP	1.17	6.52	701.6	1.91	12.40
						HWY FET	.42	1.58	505.7	2.30	17.41
	IDLE HC.PPM/HEXANE 75.					FED S CY	.95	.48	594.5	1.07	
	IDLE CO.PCT (MEAS) .03					NY/NJ	1.05	.94	734.3	1.03	
	IDLE CO.PCT (SPEC) 99.99										
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	34.	.02	844.	30.0 IND HP	
						LO SPEED	56.	0.00	168.		
						IDLE	74.	0.00	81.	700. RPM	
						2-SPD IDLE					
						HI IDLE	18.	0.00	66.	2250. RPM	
						LO IDLE	69.	0.00	29.	900. RPM	
						FED 3-MODE					
						HI SPEED	33.	.02	818.	31.0 DYNO HP	
						LO SPEED	45.	.02	283.	15.0 DYNO HP	
						IDLE - D	58.	0.00	93.		
						IDLE - N	39.	0.00	39.		
	COMMENTS: ADJ. IRPM AND MIXTURE										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	---- EMISSION RESULTS (GMS/MI) ---- HC	CO	CO2	NOXC	FUEL ECON (MPG)
4	6088	1976	CHEV	IMPA	350	1975 FTP	1.19	9.53	725.7	1.84	11.92
						HWY FET	.35	1.98	533.4	2.08	16.50
	IDLE HC,PPM/HEXANE 65.					FED S CY	1.48	2.50	589.1	.95	
	IDLE CO,PCT (MEAS) .03					NY/NJ	1.50	3.15	770.5	.79	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	19.	.01	738.	30.0 IND HP	
						LO SPEED	40.	0.00	158.		
						IDLE	51.	0.00	76.	610. RPM	
						2-SPD IDLE					
						HI IDLE	11.	0.00	67.	2250. RPM	
						LO IDLE	41.	0.00	27.	790. RPM	
						FED 3-MODE					
						HI SPEED	16.	.02	707.	31.0 DYNO HP	
						LO SPEED	16.	.01	227.	15.0 DYNO HP	
						IDLE - D	35.	0.00	78.		
						IDLE - N	18.	0.00	27.		
	COMMENTS: MAJOR TUNE-UP - REPL. RAD CAP - ADJ. TIMING										
1	6089	1976	CHEV	IMPA	400	1975 FTP	.64	4.14	864.1	1.95	10.17
						HWY FET	.10	.06	672.6	1.97	13.18
	IDLE HC,PPM/HEXANE 5.					FED S CY	.64	.08	707.9	1.25	
	IDLE CO,PCT (MEAS) .01					NY/NJ	.81	.11	825.7	.98	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	50.	0.00	283.	30.0 IND HP	
						LO SPEED	86.	0.00	158.		
						IDLE	60.	0.00	99.	600. RPM	
						2-SPD IDLE					
						HI IDLE	79.	0.00	61.	2250. RPM	
						LO IDLE	56.	0.00	36.	900. RPM	
						FED 3-MODE					
						HI SPEED	25.	0.00	339.	36.0 DYNO HP	
						LO SPEED	36.	0.00	177.	18.0 DYNO HP	
						IDLE - D	34.	0.00	149.		
						IDLE - N	39.	0.00	39.		
	COMMENTS: LIMITER CAPS OK - CHOKE 2N RICH										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	EMISSION RESULTS (GMS/MI) HC	CO	CO2	NOXC	FUEL ECON (MPG)
2	6089	1976	CHEV	IMPA	400	1975 FTP	.61	2.06	828.5	1.94	10.65
						HWY FET	.09	.18	644.4	2.17	13.33
	IDLE HC,PPM/HEXANE 5.					FED S CY	.62	.17	715.5	1.25	
	IDLE CO,PCT (MEAS) .02					NY/NJ	.69	0.00	826.4	1.18	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	32.	0.00	340.	30.0 IND HP	
						LO SPEED	47.	0.00	163.		
						IDLE	36.	0.00	127.	625. RPM	
						2-SPD IDLE					
						HI IDLE	47.	0.00	60.	2250. RPM	
						LO IDLE	46.	0.00	34.	825. RPM	
						FED 3-MODE					
						HI SPEED	22.	0.00	396.	36.0 DYNO HP	
						LO SPEED	24.	0.00	194.	18.0 DYNO HP	
						IDLE - D	25.	0.00	137.		
						IDLE - N	25.	0.00	35.		
	COMMENTS: ADJ. CHOKE										
1	6090	1976	OLDS	CUTL	350	1975 FTP	.37	1.76	695.2	1.11	12.70
						HWY FET	.06	.03	499.3	1.09	17.75
	IDLE HC,PPM/HEXANE 70.					FED S CY	.30	0.00	586.4	.63	
	IDLE CO,PCT (MEAS) .20					NY/NJ	.34	.23	774.8	.57	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	20.	0.00	278.	24.0 IND HP	
						LO SPEED	30.	0.00	106.		
						IDLE	25.	0.00	118.	700. RPM	
						2-SPD IDLE					
						HI IDLE	34.	0.00	125.	2250. RPM	
						LO IDLE	27.	0.00	65.	900. RPM	
						FED 3-MODE					
						HI SPEED	10.	0.00	410.	31.0 DYNO HP	
						LO SPEED	13.	0.00	160.	15.0 DYNO HP	
						IDLE - D	12.	0.00	109.		
						IDLE - N	23.	0.00	50.		
	COMMENTS: LIMITER CAPS OK										

APPENDIX B

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	---- EMISSION RESULTS (GMS/MI) ---- HC	CO	CO2	NOXC	FUEL ECON (MPG)
1	6091	1976	OLDS	CUTL	350	1975 FTP	.66	9.93	736.3	1.71	11.77
						HWY FET	.16	2.36	512.6	1.87	17.15
	IDLE HC,PPM/HEXANE 35.					FED S CY	.23	1.04	601.6	.89	
	IDLE CO,PCT (MEAS) .10					NY/NJ	.23	0.00	833.5	.85	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	32.	0.00	370.	24.0 IND HP	
						LO SPEED	32.	0.00	114.		
						IDLE	34.	0.00	87.	550. RPM	
						2-SPD IDLE					
						HI IDLE	33.	0.00	128.	2250. RPM	
						LO IDLE	40.	0.00	57.	700. RPM	
						FED 3-MODE					
						HI SPEED	31.	0.00	495.	31.0 DYNO HP	
						LO SPEED	30.	0.00	236.	15.0 DYNO HP	
						IDLE - D	31.	0.00	89.		
						IDLE - N	32.	0.00	50.		
	COMMENTS: LIMITER CAPS OK										
3	6091	1976	OLDS	CUTL	350	1975 FTP	.41	3.07	777.3	1.66	11.33
						HWY FET	.17	.85	545.7	1.68	16.21
	IDLE HC,PPM/HEXANE 45.					FED S CY	.43	.61	693.9	.92	
	IDLE CO,PCT (MEAS) .05					NY/NJ	.75	.58	896.3	.82	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	21.	.03	383.	24.0 IND HP	
						LO SPEED	24.	.01	127.		
						IDLE	31.	0.00	117.	650. RPM	
						2-SPD IDLE					
						HI IDLE	8.	.02	136.	2250. RPM	
						LO IDLE	56.	0.00	62.	900. RPM	
						FED 3-MODE					
						HI SPEED	14.	.05	519.	31.0 DYNO HP	
						LO SPEED	15.	.01	315.	15.0 DYNO HP	
						IDLE - D	17.	0.00	160.		
						IDLE - N	16.	0.00	67.		
	COMMENTS: ADJ. IRPM AND ICO										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VE NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
1	6092	1976	OLDS	CUTL	350	1975 FTP	.66	3.42	738.5	1.37	11.90
						HWY FET	.07	.61	511.9	1.70	17.27
	IDLE HC.PPM/HEXANE 20.					FED S CY	.25	0.00	621.0	.65	
	IDLE CO.PCT (MEAS) .04					NY/NJ	.34	0.00	815.1	.59	
	IDLE CO.PCT (SPEC) 99.99						HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	24.	0.00	538.	30.0 IND HP	
						LO SPEED	24.	0.00	106.		
						IDLE	23.	0.00	176.	610. RPM	
						2-SPD IDLE					
						HI IDLE	26.	0.00	98.	2250. RPM	
						LO IDLE	22.	0.00	67.	800. RPM	
						FED 3-MODE					
						HI SPEED	20.	0.00	410.	31.0 DYNO HP	
						LO SPEED	19.	0.00	136.	15.0 DYNO HP	
						IDLE - D	17.	0.00	157.		
						IDLE - N	16.	0.00	67.		
	COMMENTS: LIMITER CAPS BROKEN - INCORRECT FUEL PUMP REPLACED										
1	6093	1976	OLDS	DELT	350	1975 FTP	1.78	36.56	708.2	1.37	11.51
						HWY FET	.19	1.92	543.3	1.15	16.21
	IDLE HC.PPM/HEXANE 200.					FED S CY	2.03	26.93	609.3	.77	
	IDLE CO.PCT (MEAS) 5.80					NY/NJ	2.92	54.24	734.3	.57	
	IDLE CO.PCT (SPEC) 99.99						HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	9.	0.00	508.	30.0 IND HP	
						LO SPEED	8.	0.00	177.		
						IDLE	184.	.91	32.	550. RPM	
						2-SPD IDLE					
						HI IDLE	82.	0.00	131.	2250. RPM	
						LO IDLE	190.	.92	31.	750. RPM	
						FED 3-MODE					
						HI SPEED	17.	0.00	396.	31.0 DYNO HP	
						LO SPEED	35.	0.00	209.	15.0 DYNO HP	
						IDLE - D	175.	.90	31.		
						IDLE - N	114.	.83	29.		
	COMMENTS: LIMITER CAPS BROKEN - CHOKE MISADJ.										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
2	6093	1976	OLDS	DELT	350	1975 FTP	1.87	36.72	697.3	1.78	11.66
						HWY FET	.22	2.35	531.0	1.71	16.56
	IDLE HC,PPM/HEXANE 150.					FED S CY	2.22	26.93	623.9	.88	
	IDLE CO,PCT (MEAS) 5.40					NY/NJ	3.21	50.81	742.1	.79	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	29.	0.00	512.	30.0 IND HP	
						LO SPEED	57.	0.00	136.		
						IDLE	162.	.88	42.	500. RPM	
						2-SPD IDLE					
						HI IDLE	134.	0.00	84.	2250. RPM	
						LO IDLE	137.	.76	35.	600. RPM	
						FED 3-MODE					
						HI SPEED	14.	0.00	416.	31.0 DYNO HP	
						LO SPEED	41.	0.00	185.	15.0 DYNO HP	
						IDLE - D	153.	.88	49.		
						IDLE - N	115.	.77	34.		
	COMMENTS: ADJ. CHOKE										
3	6093	1976	OLDS	DELT	350	1975 FTP	.53	4.15	773.1	1.85	11.36
						HWY FET	.08	.15	584.1	1.55	15.17
	IDLE HC,PPM/HEXANE 20.					FED S CY	.93	1.39	637.7	.92	
	IDLE CO,PCT (MEAS) .03					NY/NJ	.29	0.00	824.6	.62	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	16.	0.00	452.	30.0 IND HP	
						LO SPEED	17.	0.00	131.		
						IDLE	59.	0.00	123.	500. RPM	
						2-SPD IDLE					
						HI IDLE	23.	0.00	86.	2250. RPM	
						LO IDLE	41.	0.00	57.	700. RPM	
						FED 3-MODE					
						HI SPEED	8.	0.00	562.	31.0 DYNO HP	
						LO SPEED	9.	0.00	168.	15.0 DYNO HP	
						IDLE - D	8.	0.00	110.		
						IDLE - N	31.	0.00	105.		
	COMMENTS: ADJ. IRPM AND MIXTURE										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	---- EMISSION RESULTS (GMS/MI) ---- HC	CO	CO2	NOXC	FUEL ECON (MPG)
1	6094	1976	OLDS	DELT	455	1975 FTP	.93	4.44	850.8	1.63	10.31
						HWY FET	.28	1.75	595.8	2.07	14.79
	IDLE HC.PPM/HEXANE 45.					FED S CY	.95	.69	749.7	1.09	
	IDLE CO.PCT (MEAS) .04					NY/NJ	1.16	.58	907.1	1.05	
	IDLE CO.PCT (SPEC) 99.99										
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	34.	.35	339.	30.0 IND HP	
						LO SPEED	26.	0.00	321.		
						IDLE	18.	0.00	101.	620. RPM	
						2-SPD IDLE					
						HI IDLE	85.	.02	124.	2250. RPM	
						LO IDLE	31.	0.00	60.	800. RPM	
						FED 3-MODE					
						HI SPEED	20.	.23	492.	31.0 DYNO HP	
						LO SPEED	25.	.01	350.	15.0 DYNO HP	
						IDLE - D	16.	0.00	135.		
						IDLE - N	18.	0.00	57.		
COMMENTS: LIMITER CAPS OK - DELAY VALVE OPEN TO SPARK											
1	6095	1976	OLDS	CUTL	350	1975 FTP	.59	3.48	767.7	1.59	11.45
						HWY FET	.05	.13	551.3	1.65	16.08
	IDLE HC.PPM/HEXANE 25.					FED S CY	.25	0.00	686.9	.85	
	IDLE CO.PCT (MEAS) .04					NY/NJ	.14	0.00	665.7	.76	
	IDLE CO.PCT (SPEC) 99.99										
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	1.	0.00	301.	24.0 IND HP	
						LO SPEED	12.	0.00	70.		
						IDLE	4.	0.00	121.	600. RPM	
						2-SPD IDLE					
						HI IDLE	10.	0.00	140.	2250. RPM	
						LO IDLE	10.	0.00	70.	810. RPM	
						FED 3-MODE					
						HI SPEED	15.	0.00	346.	41.0 DYNO HP	
						LO SPEED	12.	0.00	188.	15.0 DYNO HP	
						IDLE - D	12.	0.00	141.		
						IDLE - N	10.	0.00	60.		
COMMENTS: LIMITER CAPS OK											

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
1	6096	1976	PONT	ASTR	140	1975 FTP	.41	6.35	488.3	1.30	17.77
						HWY FET	.05	.13	366.6	1.85	24.15
	IDLE HC,PPM/HEXANE 40.					FED S CY	.23	.78	396.0	.61	
	IDLE CO,PCT (MEAS) .03					NY/NJ	.23	.11	540.6	1.48	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	33.	0.00	277.	15.0 IND HP	
						LO SPEED	59.	0.00	184.		
						IDLE	59.	0.00	133.	600. RPM	
						2-SPD IDLE					
						HI IDLE	87.	0.00	53.	2250. RPM	
						LO IDLE	49.	0.00	41.	900. RPM	
						FED 3-MODE					
						HI SPEED	32.	0.00	485.	26.0 DYNO HP	
						LO SPEED	47.	0.00	319.	12.0 DYNO HP	
						IDLE - D	42.	0.00	227.		
						IDLE - N	41.	0.00	65.		
	COMMENTS: LIMITER CAPS OK										
1	6097	1976	PONT	CATA	455	1975 FTP	2.20	35.01	907.8	1.61	9.15
						HWY FET	.23	2.65	679.9	2.41	12.95
	IDLE HC,PPM/HEXANE 20.					FED S CY	1.68	16.04	810.9	.92	
	IDLE CO,PCT (MEAS) .25					NY/NJ	3.04	21.03	875.5	.57	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	7.	0.00	470.	30.0 IND HP	
						LO SPEED	15.	0.00	276.		
						IDLE	230.	2.40	29.	500. RPM	
						2-SPD IDLE					
						HI IDLE	34.	0.00	159.	2250. RPM	
						LO IDLE	229.	.79	36.	600. RPM	
						FED 3-MODE					
						HI SPEED	14.	0.00	498.	36.0 DYNO HP	
						LO SPEED	15.	0.00	264.	16.0 DYNO HP	
						IDLE - D	86.	.43	21.		
						IDLE - N	86.	.42	16.		
	COMMENTS: LIMITER CAPS MISSING - TIMING - 4 DEGREES - CHOKE SET 1 RICH										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	EMISSION RESULTS (GMS/MI) HC	CO	CO2	NOXC	FUEL ECON (MPG)
2	6097	1976	PONT	CATA	455	1975 FTP	2.00	26.88	816.1	2.10	10.26
						HWY FET	.21	1.56	617.6	3.48	14.29
	IDLE HC.PPM/HEXANE 10.					FED S CY	1.42	7.51	713.0	1.30	
	IDLE CO.PCT (MEAS) .01					NY/NJ	2.39	9.09	840.2	.73	
	IDLE CO.PCT (SPEC) 99.99										
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	21.	0.00	727.	30.0 IND HP	
						LO SPEED	40.	0.00	370.		
						IDLE	82.	.48	41.	600. RPM	
						2-SPD IDLE					
						HI IDLE	37.	0.00	165.	2250. RPM	
						LO IDLE	197.	.69	23.	700. RPM	
						FED 3-MODE					
						HI SPEED	12.	0.00	841.	36.0 DYNO HP	
						LO SPEED	9.	0.00	349.	18.0 DYNO HP	
						IDLE - D	147.	.92	39.		
						IDLE - N	165.	.92	40.		
	COMMENTS: ADJ. CHOKE AND TIMING										
3	6097	1976	PONT	CATA	455	1975 FTP	.93	13.46	883.8	2.28	9.78
						HWY FET	.14	1.93	621.3	3.56	14.20
	IDLE HC.PPM/HEXANE 10.					FED S CY	.56	1.13	756.3	1.52	
	IDLE CO.PCT (MEAS) .01					NY/NJ	.87	4.72	868.6	1.02	
	IDLE CO.PCT (SPEC) 99.99										
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	4.	0.00	858.	30.0 IND HP	
						LO SPEED	6.	0.00	354.		
						IDLE	3.	0.00	90.	610. RPM	
						2-SPD IDLE					
						HI IDLE	8.	0.00	167.	2250. RPM	
						LO IDLE	16.	0.00	42.	800. RPM	
						FED 3-MODE					
						HI SPEED	9.	0.00	934.	36.0 DYNO HP	
						LO SPEED	7.	0.00	342.	18.0 DYNO HP	
						IDLE - D	8.	0.00	101.		
						IDLE - N	9.	0.00	98.		
	COMMENTS: ADJ. IDPM AND MIXTURE										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	EMISSION RESULTS (GMS/MI) HC	CO	CO2	NOXC	FUEL ECON (MPG)
4	6097	1976	PONT	CATA	455	1975 FTP	.79	11.72	877.1	2.14	9.88
						HWY FET	.10	1.48	619.1	3.69	14.27
	IDLE HC,PPM/HEXANE 5.					FED S CY	.43	2.05	743.3	1.41	
	IDLE CO,PCT (MEAS) .01					NY/NJ	.46	1.06	1004.7	.99	
	IDLE CO,PCT (SPEC) 99.99						HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	12.	0.00	737.	30.0 IND HP	
						LO SPEED	15.	0.00	371.		
						IDLE	10.	0.00	113.	700. RPM	
						2-SPD IDLE					
						HI IDLE	26.	0.00	148.	2250. RPM	
						LO IDLE	35.	0.00	55.	900. RPM	
						FED 3-MODE					
						HI SPEED	13.	0.00	768.	36.0 DYNO HP	
						LO SPEED	8.	0.00	311.	18.0 DYNO HP	
						IDLE - D	9.	0.00	129.		
						IDLE - N	9.	0.00	65.		
COMMENTS: MAJOR TUNE-UP - REPL.RAD CAP, AIR & CRK. VENT FILTERS - ADJ. IRPM											
1	6098	1976	PONT	GRNP	350	1975 FTP	.64	5.19	718.3	2.04	12.18
						HWY FET	.12	.12	542.6	2.12	16.31
	IDLE HC,PPM/HEXANE 40.					FED S CY	.54	.12	586.9	1.37	
	IDLE CO,PCT (MEAS) .02					NY/NJ	.81	0.00	719.0	1.42	
	IDLE CO,PCT (SPEC) 99.99						HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	32.	0.00	477.	30.0 IND HP	
						LO SPEED	45.	0.00	274.		
						IDLE	84.	0.00	67.	700. RPM	
						2-SPD IDLE					
						HI IDLE	41.	0.00	108.	2250. RPM	
						LO IDLE	100.	0.00	65.	850. RPM	
						FED 3-MODE					
						HI SPEED	32.	0.00	682.	31.0 DYNO HP	
						LO SPEED	35.	0.00	462.	15.0 DYNO HP	
						IDLE - D	35.	0.00	237.		
						IDLE - N	78.	0.00	75.		
COMMENTS: LIMITER CAPS OK											

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	---- EMISSION RESULTS (GMS/MI) ---- HC	CO	CO2	NOXC	FUEL ECON (MPG)
1	6099	1976	PONT	GRNP	350	1975 FTP	.81	3.64	681.5	2.62	12.87
						HWY FET	.06	.03	413.7	1.95	21.41
	IDLE HC,PPM/HEXANE 30.					FED S CY	1.27	.87	544.8	2.39	
	IDLE CO,PCT (MEAS) .02					NY/NJ	.75	0.00	704.5	2.34	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	8.	0.00	350.	30.0 IND HP	
						LO SPEED	13.	0.00	1075.		
						IDLE	10.	0.00	94.	600. RPM	
						2-SPD IDLE					
						HI IDLE	9.	0.00	91.	2250. RPM	
						LO IDLE	50.	0.00	38.	750. RPM	
						FED 3-MODE					
						HI SPEED	7.	0.00	306.	31.0 DYNO HP	
						LO SPEED	16.	0.00	911.	15.0 DYNO HP	
						IDLE - D	13.	0.00	126.		
						IDLE - N	30.	0.00	41.		
	COMMENTS: LIMITER CAPS OK - TUBE ON EGR TRANSDUCER BROKEN										
3	6099	1976	PONT	GRNP	350	1975 FTP	.62	5.35	732.3	1.85	11.95
						HWY FET	.06	.19	513.2	1.83	17.27
	IDLE HC,PPM/HEXANE 25.					FED S CY	.36	.56	577.2	1.49	
	IDLE CO,PCT (MEAS) .01					NY/NJ	.34	0.00	747.1	1.41	
	IDLE CO,PCT (SPEC) 99.99										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	2.	0.00	367.	30.0 IND HP	
						LO SPEED	6.	0.00	403.		
						IDLE	7.	0.00	173.	650. RPM	
						2-SPD IDLE					
						HI IDLE	25.	0.00	91.	2250. RPM	
						LO IDLE	29.	0.00	57.	1000. RPM	
						FED 3-MODE					
						HI SPEED	18.	0.00	169.	31.0 DYNO HP	
						LO SPEED	26.	0.00	605.	15.0 DYNO HP	
						IDLE - D	25.	0.00	160.		
						IDLE - N	24.	0.00	58.		
	COMMENTS: ADJ.IDPM & MIXTURE										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	---- EMISSION RESULTS (GMS/MI) ---- HC	CO	CO2	NOXC	FUEL ECON (MPG)
1	6100	1976	PONT	BONN	400	1975 FTP	.76	7.63	736.4	1.53	11.82
						HWY FET	.11	.76	518.2	1.89	17.06
						FED S CY	.54	0.00	615.0	.97	
						NY/NJ	.87	0.00	738.9	.80	
	IDLE HC,PPM/HEXANE 45.						HC, PPM	CO, PCT	NOX, PPM		
	IDLE CO,PCT (MEAS) .02					KEY MODE					
	IDLE CO,PCT (SPEC) 99.99					HI SPEED	30.	0.00	628.	30.0 IND HP	
						LO SPEED	33.	0.00	140.		
						IDLE	33.	0.00	56.	600. RPM	
						2-SPD IDLE					
						HI IDLE	35.	0.00	75.	2250. RPM	
						LO IDLE	45.	0.00	31.	800. RPM	
						FED 3-MODE					
						HI SPEED	30.	0.00	563.	31.0 DYNO HP	
						LO SPEED	28.	0.00	256.	15.0 DYNO HP	
						IDLE - D	27.	0.00	64.		
						IDLE - N	53.	0.00	36.		
	COMMENTS: LIMITER CAPS OK										
4	6103	1976	DODG	ASPE	225	1975 FTP	.72	6.75	697.3	1.45	12.50
						HWY FET	.05	.58	559.0	1.57	15.82
						FED S CY	.58	1.79	574.9	.89	
						NY/NJ	.46	.35	740.8	1.00	
	IDLE HC,PPM/HEXANE 85.						HC, PPM	CO, PCT	NOX, PPM		
	IDLE CO,PCT (MEAS) 1.85					KEY MODE					
	IDLE CO,PCT (SPEC) 1.00					HI SPEED	13.	.03	389.	24.0 IND HP	
						LO SPEED	32.	.02	137.		
						IDLE	17.	.01	69.	680. RPM	
						2-SPD IDLE					
						HI IDLE	98.	.05	46.	2250. RPM	
						LO IDLE	17.	.04	42.	800. RPM	
						FED 3-MODE					
						HI SPEED	6.	.03	512.	31.0 DYNO HP	
						LO SPEED	7.	.01	316.	15.0 DYNO HP	
						IDLE - D	11.	0.00	69.		
						IDLE - N	7.	.01	69.		
	COMMENTS: BASELINE FOR SEL. MALADJ - MAJOR TUNE-UP REPLACE AIR FILTER, MAD. CAP - ADJ CHOKE, ICO										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
6	6104	1976	DODG	ASPE	318	1975 FTP	1.72	13.35	854.2	1.28	10.08
						HWY FET	.13	.38	670.7	1.71	13.20
	IDLE HC,PPM/HEXANE			50.		FED S CY	.45	.65	673.3	1.53	
	IDLE CO,PCT (MEAS)			2.50		NY/NJ	.29	.82	985.1	1.08	
	IDLE CO,PCT (SPEC)			1.00							
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	8.	0.00	176.	24.0 IND HP	
						LO SPEED	4.	0.00	130.		
						IDLE	1.	0.00	70.	660. RPM	
						2-SPD IDLE					
						HI IDLE	260.	0.00	49.	2250. RPM	
						LO IDLE	113.	0.00	54.	740. RPM	
						FED 3-MODE					
						HI SPEED	16.	0.00	213.	31.0 DYNO HP	
						LO SPEED	18.	0.00	169.	15.0 DYNO HP	
						IDLE - D	95.	.01	54.		
						IDLE - N	118.	0.00	57.		
	COMMENTS: CHOKE MALADJUSTED										
4	6110	1976	DODG	CHAR	400	1975 FTP	.60	4.62	753.7	1.51	11.63
						HWY FET	.08	.13	505.9	2.18	17.51
	IDLE HC,PPM/HEXANE			110.		FED S CY	.28	.65	608.9	1.11	
	IDLE CO,PCT (MEAS)			.65		NY/NJ	.40	2.00	836.3	1.20	
	IDLE CO,PCT (SPEC)			.50							
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	13.	.01	620.	30.0 IND HP	
						LO SPEED	11.	.02	161.		
						IDLE	13.	.02	69.	650. RPM	
						2-SPD IDLE					
						HI IDLE	18.	.02	112.	2250. RPM	
						LO IDLE	20.	.01	132.	800. RPM	
						FED 3-MODE					
						HI SPEED	7.	.02	505.	31.0 DYNO HP	
						LO SPEED	9.	.01	276.	15.0 DYNO HP	
						IDLE - D	10.	.01	62.		
						IDLE - N	12.	.02	70.		
	COMMENTS: MAJOR TUNE-UP - REPL AIR FILTER,RAD CAP,OSAC - ADJ CHOKE,ICO BASELINE FOR 5										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	---- EMISSION RESULTS (GMS/MI) ---- HC	CO	CO2	NOXC	FUEL ECON (MPG)
4	6112	1976	DODG	CHAR	360	1975 FTP	.39	3.94	861.4	1.42	10.22
						HWY FET	.06	.39	582.1	1.77	15.22
	IDLE HC,PPM/HEXANE 75.					FED 5 CY	.24	.27	671.7	1.20	
	IDLE CO,PCT (MEAS) 2.25					NY/NJ	.34	1.02	920.6	1.10	
	IDLE CO,PCT (SPEC) 2.00										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	165.	.13	295.	30.0 IND HP	
						LO SPEED	161.	.04	218.		
						IDLE	118.	.02	62.	800. RPM	
						2-SPD IDLE					
						HI IDLE	114.	0.00	88.	2250. RPM	
						LO IDLE	79.	0.00	86.	900. RPM	
						FED 3-MODE					
						HI SPEED	24.	.07	302.	31.0 DYNO HP	
						LO SPEED	70.	.03	158.	15.0 DYNO HP	
						IDLE - D	73.	.03	60.		
						IDLE - N	87.	.02	56.		
COMMENTS: MAJOR TUNE-UP - REPL RAD CAP - ADJ CHOKE, ICO - BASELINE FOR 5											
6	6112	1976	DODG	CHAR	360	1975 FTP	.41	5.15	844.7	1.42	10.39
						HWY FET	.06	.24	550.3	1.81	16.10
	IDLE HC,PPM/HEXANE 80.					FED 5 CY	.23	.26	683.5	1.18	
	IDLE CO,PCT (MEAS) 2.70					NY/NJ	.23	.35	943.7	1.06	
	IDLE CO,PCT (SPEC) 2.00										
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	13.	.02	306.	30.0 IND HP	
						LO SPEED	25.	0.00	205.		
						IDLE	13.	0.00	53.	710. RPM	
						2-SPD IDLE					
						HI IDLE	36.	0.00	80.	2250. RPM	
						LO IDLE	18.	0.00	43.	820. RPM	
						FED 3-MODE					
						HI SPEED	21.	.01	347.	31.0 DYNO HP	
						LO SPEED	25.	0.00	206.	15.0 DYNO HP	
						IDLE - D	21.	0.00	53.		
						IDLE - N	21.	0.00	47.		
COMMENTS: DISCONNECT ELECT. CHOKE WIRE											

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
4	6123	1976	PLYM	FURY	318	1975 FTP	.39	5.18	789.9	1.53	11.10
						HWY FET	.10	.46	583.5	1.94	15.17
	IDLE HC.PPM/HEXANE	60.				FED S CY	.38	2.18	594.0	2.91	
	IDLE CO.PCT (MEAS)	1.50				NY/NJ	.23	.11	806.7	1.52	
	IDLE CO.PCT (SPEC)	1.00									
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	10.	.01	284.	30.0 IND HP	
						LO SPEED	12.	0.00	204.		
						IDLE	13.	0.00	79.	700. RPM	
						2-SPD IDLE					
						HI IDLE	12.	.01	133.	2250. RPM	
						LO IDLE	7.	.01	58.	800. RPM	
						FED 3-MODE					
						HI SPEED	5.	.01	263.	31.0 DYNO HP	
						LO SPEED	13.	0.00	543.	15.0 DYNO HP	
						IDLE - D	8.	.01	73.		
						IDLE - N	6.	0.00	96.		
	COMMENTS: MAJOR TUNE-UP - REPL RAD CAP. AIR FILTER - ADJ ICO - BASELINE FOR 5										
6	6123	1976	PLYM	FURY	318	1975 FTP	.31	2.37	789.1	3.58	11.18
						HWY FET	.02	.02	444.4	2.94	19.96
	IDLE HC.PPM/HEXANE	45.				FED S CY	.28	1.70	641.7	2.62	
	IDLE CO.PCT (MEAS)	1.30				NY/NJ	.34	2.59	807.9	2.21	
	IDLE CO.PCT (SPEC)	1.00									
							HC.	CO.	NOX.		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	12.	.01	979.	30.0 IND HP	
						LO SPEED	11.	0.00	396.		
						IDLE	6.	.02	53.	675. RPM	
						2-SPD IDLE					
						HI IDLE	8.	0.00	88.	2250. RPM	
						LO IDLE	10.	.03	42.	825. RPM	
						FED 3-MODE					
						HI SPEED	11.	.01	919.	31.0 DYNO HP	
						LO SPEED	12.	0.00	629.	15.0 DYNO HP	
						IDLE - D	9.	.01	68.		
						IDLE - N	8.	0.00	76.		
	COMMENTS: EGR PLUGGED										

APPENDIX H

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL	CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
							---- EMISSION RESULTS (GMS/MI) ----				
6	5126	1975	PLYM	FURY	400	1975 FTP	.61	13.47	951.1	1.32	9.11
						HWY FET	.16	9.18	484.9	1.06	17.73
	IDLE HC,PPM/HEXANE		20.			FED S CY	.30	4.67	731.7	1.33	
	IDLE CO,PCT (MEAS)		.25			NY/NJ	.23	.35	1005.8	1.05	
	IDLE CO,PCT (SPEC)		.50								
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	22.	1.70	244.	30.0 IND HP	
						LO SPEED	4.	0.00	102.		
						IDLE	5.	0.00	67.	675. RPM	
						2-SPD IDLE					
						HI IDLE	9.	0.00	100.	2250. RPM	
						LO IDLE	17.	0.00	56.	825. RPM	
						FED 3-MODE					
						HI SPEED	22.	1.41	224.	31.0 DYNO HP	
						LO SPEED	7.	0.00	243.	15.0 DYNO HP	
						IDLE - D	6.	0.00	79.		
						IDLE - N	9.	0.00	88.		
COMMENTS: AIR PUMP CONNECTOR HOSE BLEW OFF AT HWFET											
4	6136	1976	FORD	PINT	140	1975 FTP	.64	3.57	470.0	1.67	18.58
						HWY FET	.28	.46	334.7	2.59	26.39
	IDLE HC,PPM/HEXANE		10.			FED S CY	.56	.69	383.4	1.11	
	IDLE CO,PCT (MEAS)		.01			NY/NJ	.64	.58	524.3	2.08	
	IDLE CO,PCT (SPEC)		99.99								
							HC,	CO,	NOX,		
						KEY MODE	PPM	PCT	PPM		
						HI SPEED	40.	.01	584.	15.0 IND HP	
						LO SPEED	40.	.01	661.		
						IDLE	17.	0.00	97.	790. RPM	
						2-SPD IDLE					
						HI IDLE	22.	0.00	179.	2250. RPM	
						LO IDLE	30.	0.00	43.	985. RPM	
						FED 3-MODE					
						HI SPEED	28.	.01	149R.	21.0 DYNO HP	
						LO SPEED	38.	0.00	464.	9.0 DYNO HP	
						IDLE - D	23.	0.00	112.		
						IDLE - N	17.	0.00	60.		
COMMENTS: MAJOR TUNE-UP - REPL. AIR FILTER, ELECT. CHOKE ELEM. ADJ. IRPM, ICO - BASELINE FOR 5											

APPENDIX B

LISTING OF ALL EMISSION TEST RESULTS FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

TEST NO.	VEH NO.	YEAR	MAKE	MODEL CID	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON (MPG)
						---- EMISSION RESULTS (GMS/MI) ----				
4	6139	1976	FORD	MAVE 250	1975 FTP	.51	1.35	634.2	1.89	13.91
					HWY FET	.15	.05	461.1	2.54	19.19
	IDLE HC.PPM/HEXANE 10.				FED 5 CY	.34	.04	529.2	1.02	
	IDLE CO.PCT (MEAS) 0.00				NY/DJ	.46	0.00	693.0	1.37	
	IDLE CO.PCT (SPEC) 99.99					HC.	CO.	NOX.		
					KEY MODE	PPM	PCT	PPM		
					HI SPEED	28.	0.00	537.	24.0	IND HP
					LO SPEED	26.	0.00	97.		
					IDLE	22.	0.00	50.	630.	RPM
					2-SPD IDLE					
					HI IDLE	58.	0.00	50.	2250.	RPM
					LO IDLE	22.	0.00	34.	780.	RPM
					FED 3-MODE					
					HI SPEED	14.	0.00	702.	28.0	DYNO HP
					LO SPEED	15.	0.00	297.	12.0	DYNO HP
					IDLE - D	12.	0.00	98.		
					IDLE - N	10.	0.00	52.		
COMMENTS: MAJOR TUNE-UP - REPL EGR VALVE AND GSKT - ADJ.ICO - BASELINE FOR 5										
4	6165	1976	LINC	MRK4 460	1975 FTP	.44	2.76	899.1	1.76	9.81
					HWY FET	.06	.26	571.6	2.27	15.50
	IDLE HC.PPM/HEXANE 12.				FED 5 CY	.23	.08	680.4	2.28	
	IDLE CO.PCT (MEAS) .03				NY/DJ	.23	.11	935.3	1.37	
	IDLE CO.PCT (SPEC) 99.99					HC.	CO.	NOX.		
					KEY MODE	PPM	PCT	PPM		
					HI SPEED	22.	.01	500.	30.0	IND HP
					LO SPEED	19.	0.00	262.		
					IDLE	17.	0.00	140.	650.	RPM
					2-SPD IDLE					
					HI IDLE	45.	0.00	99.	2250.	RPM
					LO IDLE	19.	0.00	57.	850.	RPM
					FED 3-MODE					
					HI SPEED	16.	0.00	559.	36.6	DYNO HP
					LO SPEED	14.	0.00	466.	18.0	DYNO HP
					IDLE - D	11.	0.00	151.		
					IDLE - N	10.	0.00	79.		
COMMENTS: MAJOR TUNE-UP - REPL. AIR AND CRANKCASE VENT FILTERS - ADJ. IRPM BASELINE FOR 5										

APPENDIX I - DRIVEABILITY EVALUATION RESULTS FOR INDIVIDUAL VEHICLES

APPENDIX I

DRIVEABILITY EVALUATION RESULTS
FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

MANUFACTURER: CHRYSLER

VEH NO.	TEST NO.	CONSTANT SPEED PHASE (OVER THE ROAD)							ACCELERATION FROM STOP PHASE (OVER THE ROAD)				RESTART PHASE		COLD START AND IDLE PHASE (DYNAMOMETER)							DRIVE AWAY PHASE (DYNAMOMETER)							
		1	1A	2	3	4	5	5A	6	7	8	9	10	11	12	13	13A	14	14A	15	16	17	17A	18	19	20	20A	21	22
6001	1	2	0	4	4	4	9	4	4	4	4	4	03	4	01	2	0	2	0	2	4	2	0	4	4	2	0	4	4
6001	2	2	0	3	4	4	9	4	3	3	4	4	03	4	01	2	0	2	0	2	4	2	0	4	4	2	0	4	4
6002	1	1	4	4	4	4	9	4	1	2	4	4	03	4	05	2	0	2	0	2	4	2	0	2	4	1	1	2	4
6002	3	1	1	4	4	4	9	4	2	4	4	4	03	3	01	2	0	2	0	1	5	2	0	3	5	2	0	3	5
6002	4	1	1	4	4	4	9	4	1	2	3	3	04	4	03	2	0	2	0	1	5	2	0	2	5	2	0	2	5
6003	1	2	0	4	3	5	9	5	4	5	5	5	02	4	01	2	0	2	0	1	4	2	0	4	4	2	0	4	4
6003	5	1	3	3	4	3	9	4	4	3	3	3	01	4	01	2	0	2	0	1	4	1	3	2	4	1	1	3	4
6003	6	1	6	4	4	4	9	4	4	4	4	4	01	4	01	2	0	2	0	1	4	1	1	4	4	2	0	4	4
6003	7	1	1	3	4	5	9	5	2	3	4	4	03	4	02	2	0	2	0	1	4	2	0	2	4	2	0	3	4
6003	8	1	2	3	4	4	9	4	3	3	2	2	01	4	01	2	0	2	0	1	4	2	0	3	4	2	0	2	4
6004	1	2	0	4	4	4	4	4	4	4	3	4	01	4	01	2	0	2	0	1	4	2	0	4	4	2	4	4	4
6004	2	2	0	4	4	4	5	5	4	4	5	5	03	4	02	2	0	2	0	2	4	2	0	4	2	2	0	2	4
6004	3	2	0	5	5	5	5	5	4	5	5	5	02	3	01	2	0	2	0	1	3	1	1	3	4	2	0	3	4
6004	4	2	0	5	5	5	4	5	5	5	5	5	05	4	01	2	0	2	0	1	3	1	2	2	4	2	0	3	4
6005	1	2	0	4	4	4	9	4	5	5	5	5	03	5	01	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6005	2	2	0	4	5	4	9	5	4	4	3	3	02	5	01	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6006	1	2	0	4	4	4	9	4	4	4	4	5	02	4	01	2	0	2	0	1	4	2	0	4	4	2	0	4	4
6006	2	1	2	2	2	2	9	2	2	2	2	2	02	2	01	2	0	2	0	1	2	2	0	2	2	2	0	2	2
6006	3	2	0	2	3	3	9	3	3	3	2	2	02	3	01	2	0	2	0	1	3	2	0	3	3	2	0	3	4
6007	1	2	0	4	4	4	9	4	4	4	4	4	02	5	01	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6007	2	2	0	3	3	2	9	3	2	2	2	2	03	3	01	2	0	2	0	1	3	2	0	2	3	2	0	2	3
6007	3	1	1	3	4	3	9	3	3	3	3	4	02	4	01	2	0	2	0	2	4	2	0	4	4	2	0	4	5
6008	1	2	0	4	4	4	9	4	4	4	4	4	02	4	01	2	0	2	0	2	4	2	0	3	4	2	0	3	4
6008	2	1	1	4	4	4	9	4	4	4	4	5	02	4	01	2	0	2	0	1	4	2	0	3	4	1	1	3	4
6009	1	2	0	5	5	4	5	5	4	5	5	5	01	5	01	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6009	2	2	0	4	4	4	4	4	5	5	4	4	01	4	01	2	0	2	0	2	4	2	0	4	4	2	0	4	4
6009	3	2	0	4	4	4	4	4	3	4	4	4	01	4	01	2	0	2	0	1	4	2	0	4	4	2	0	4	4
6009	4	2	0	4	4	4	3	4	3	3	3	3	01	5	01	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6009	A	1	1	3	3	3	4	4	2	3	4	4	02	4	02	1	1	2	0	1	3	2	0	2	3	2	0	4	4
6010	1	2	0	5	5	5	4	5	5	5	5	5	01	5	02	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6010	5	2	0	5	5	5	4	5	5	5	5	5	01	5	01	2	0	2	0	1	5	2	0	5	5	2	0	5	5
6010	6	2	0	3	5	3	4	4	4	3	4	3	02	5	01	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6010	7	2	0	4	4	4	3	3	4	4	4	4	01	3	01	1	2	1	1	1	2	2	0	2	3	2	0	3	3
6010	8	2	0	5	5	5	5	5	5	5	5	5	01	4	02	2	0	2	0	1	4	2	0	4	4	2	0	4	4
6010	9	2	0	4	4	4	3	4	3	4	4	4	02	4	02	2	0	2	0	1	4	2	0	3	4	2	0	3	4
6011	1	1	4	4	4	4	9	4	4	4	4	4	01	5	01	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6011	2	1	1	5	5	5	9	5	5	5	5	5	02	4	01	2	0	2	0	1	4	2	0	4	4	2	0	4	4
6011	4	2	0	4	4	4	9	5	5	5	4	4	02	3	01	2	0	2	0	1	3	1	1	3	3	2	0	3	3

APPENDIX I

DRIVEABILITY EVALUATION RESULTS
FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

MANUFACTURER: CHRYSLER

VEH NO.	TEST NO.	CONSTANT SPEED PHASE (OVER THE ROAD) 1	1A	2	3	4	5	5A	ACCELERATION FROM STOP PHASE (OVER THE ROAD) 6	7	8	9	RESTART PHASE 10	11	COLD START AND IDLE PHASE (DYNAMOMETER) 12	13	13A	14	14A	15	16	DRIVE AWAY PHASE (DYNAMOMETER) 17	17A	18	19	20	20A	21	22
6012	1	2	0	5	5	5	5	5	5	5	5	5	02	5	02	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6012	2	2	0	4	4	4	4	4	4	4	4	4	01	4	01	2	0	2	0	2	4	2	0	5	5	2	0	5	5
6012	5	2	0	4	4	4	4	4	4	4	4	4	01	4	02	2	0	2	0	1	4	2	0	4	4	2	0	4	4
6012	6	2	0	3	4	4	3	3	4	4	4	4	01	4	03	2	0	2	0	1	4	2	0	4	4	2	0	4	4
6012	7	2	0	5	5	5	5	5	5	5	5	5	03	2	03	2	0	2	0	1	5	2	0	4	5	2	0	5	5
6012	8	2	0	5	5	5	5	5	5	5	5	5	01	4	02	2	0	2	0	1	4	2	0	4	4	2	0	4	4
6012	9	2	0	4	4	4	3	3	4	4	4	4	01	4	03	2	0	2	0	1	4	2	0	4	4	2	0	4	4
6012	0	1	2	4	5	5	4	5	4	4	4	4	02	4	04	2	0	2	0	2	4	2	0	3	4	2	0	3	4
6013	1	2	0	3	4	4	3	3	4	4	4	4	02	4	03	2	0	2	0	2	4	2	0	4	4	2	0	4	4
6013	2	2	0	5	4	4	2	4	3	4	4	5	04	4	03	2	0	2	0	2	4	2	0	5	5	2	0	5	5
6013	3	2	0	5	5	5	5	5	5	5	5	5	02	5	01	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6013	4	2	0	4	4	4	4	4	4	4	4	4	01	5	01	2	0	2	0	1	5	2	0	5	5	2	0	5	5
6013	A	2	0	4	4	4	4	4	4	5	4	4	01	5	01	2	0	2	0	1	5	2	0	4	4	2	0	4	4
6014	1	2	0	4	4	4	9	4	4	5	4	4	01	5	02	1	1	2	0	2	4	2	0	4	4	2	0	4	4
6014	2	1	4	4	4	4	9	5	4	4	4	4	05	4	05	2	0	2	0	1	4	2	0	4	5	2	0	4	5
6014	3	1	2	4	4	4	9	4	4	4	4	4	03	5	01	2	0	2	0	1	5	2	0	5	5	2	0	4	5
6015	1	1	2	2	3	2	9	4	3	4	3	3	03	4	01	2	0	2	0	2	5	2	0	4	4	2	0	5	5
6016	1	2	0	5	5	5	5	5	5	5	4	4	10	4	01	2	0	2	0	1	4	2	0	4	5	2	0	4	5
6016	3	2	0	4	3	4	4	4	4	4	4	4	02	4	02	2	0	2	0	1	5	2	0	5	5	2	0	4	5
6017	1	2	0	4	4	4	4	4	5	4	4	4	01	4	02	2	0	2	0	2	5	2	0	5	5	2	0	4	5
6018	1	2	0	4	5	4	9	4	4	4	5	4	03	4	04	2	0	2	0	2	4	2	0	4	5	2	0	4	5
6018	2	2	0	4	5	4	9	4	4	4	4	4	03	5	02	2	0	2	0	1	4	2	0	4	5	2	0	4	5
6019	1	2	0	2	4	3	3	4	2	3	3	3	03	4	01	2	0	2	0	2	4	2	0	5	5	2	0	5	5
6020	1	2	0	3	3	3	3	3	3	3	3	3	04	4	09	2	0	2	0	2	4	2	0	4	4	2	0	4	4
6020	2	2	0	3	4	2	3	4	3	3	3	3	01	4	01	2	0	2	0	2	4	2	0	3	4	2	0	4	4
6020	3	2	0	5	5	5	5	5	5	5	5	5	03	4	03	2	0	2	0	2	4	2	0	5	4	2	0	5	5
6020	4	2	0	4	4	4	4	4	4	4	4	4	05	5	01	2	0	2	0	2	3	2	0	3	4	2	0	3	4
6020	6	2	0	5	5	5	5	5	5	5	5	5	02	4	01	2	0	2	0	1	4	2	0	5	5	2	0	5	5
6020	7	1	1	4	5	4	4	4	4	4	4	5	01	4	01	2	0	2	0	2	5	2	0	4	5	2	0	4	5
6020	A	2	0	4	4	4	4	5	4	4	5	4	02	4	01	2	0	2	0	1	5	2	0	5	5	2	0	4	5
6021	1	2	0	4	5	4	4	5	3	3	4	4	02	4	01	1	1	2	0	2	4	2	0	5	5	2	0	5	5
6021	2	2	0	4	5	4	4	4	2	2	2	2	05	4	01	2	0	2	0	2	4	2	0	4	4	2	0	4	4
6022	1	2	0	2	3	2	9	2	5	5	5	5	02	5	06	2	0	2	0	2	5	2	0	5	4	2	0	5	4
6023	1	2	0	5	5	5	4	5	4	5	4	4	01	4	02	2	0	2	0	2	4	2	0	3	4	2	0	3	4
6023	2	2	0	4	4	4	4	4	5	5	5	5	01	5	01	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6023	5	2	0	5	5	5	5	5	4	4	4	4	02	4	01	2	0	2	0	1	5	2	0	4	3	2	0	4	4
6023	6	2	0	4	4	4	4	4	5	5	5	5	01	5	01	2	0	2	0	1	5	2	0	5	5	2	0	5	5
6023	7	2	0	5	5	5	5	5	4	3	4	4	01	4	01	2	0	2	0	1	4	2	0	3	4	2	0	3	4
6023	8	1	2	4	4	4	5	4	4	4	4	4	02	4	01	2	0	2	0	1	4	2	0	4	4	2	0	4	4
6023	9	1	1	4	4	4	4	4	4	4	4	4	02	4	01	2	0	2	0	2	4	1	1	4	4	2	0	4	4

APPENDIX I

DRIVEABILITY EVALUATION RESULTS
FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

MANUFACTURER: CHRYSLER

VEH NO.	TEST NO.	CONSTANT SPEED PHASE (OVER THE ROAD)							ACCELERATION FROM STOP PHASE (OVER THE ROAD)				RESTART PHASE		COLD START AND IDLE PHASE (DYNAMOMETER)							DRIVE AWAY PHASE (DYNAMOMETER)							
		1	1A	2	3	4	5	5A	6	7	8	9	10	11	12	13	13A	14	14A	15	16	17	17A	18	19	20	20A	21	22
6024	1	2	0	4	4	4	4	4	4	4	4	4	01	4	01	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6025	1	2	0	4	4	4	4	4	4	4	4	4	01	4	01	2	0	2	0	2	4	2	0	4	4	2	0	4	4
6025	4	2	0	4	4	4	4	4	4	4	4	4	01	4	02	2	0	2	0	2	4	2	0	4	4	2	0	4	4
6025	6	2	0	4	4	4	4	4	4	4	4	4	01	4	08	2	0	2	0	2	4	2	0	4	4	2	0	4	4
6025	A	2	0	5	5	5	4	5	5	5	5	5	02	5	01	2	0	2	0	2	5	2	0	5	5	2	0	5	5
5026	1	2	4	4	4	4	4	4	4	4	4	4	01	4	01	2	0	2	0	2	5	2	0	5	5	2	0	5	5
5026	2	2	0	2	3	2	2	3	2	2	3	3	01	5	02	2	0	2	0	2	5	2	0	5	5	2	0	5	5
5026	3	2	0	3	4	4	3	4	3	4	4	4	01	5	01	2	0	2	0	2	4	2	0	5	5	2	0	5	5
5026	4	1	2	3	3	2	2	3	3	2	2	2	01	5	02	2	0	2	0	2	5	2	0	5	5	2	0	5	5
5026	A	2	0	4	4	4	3	4	4	4	4	4	01	3	02	2	0	2	0	1	4	2	0	2	3	2	0	2	4
6027	1	1	1	4	4	4	4	4	4	4	4	4	03	4	01	2	0	2	0	1	4	2	0	4	5	2	0	4	5
6027	3	1	1	3	3	4	3	4	4	4	3	3	01	4	02	1	1	2	0	1	4	2	0	3	4	2	0	3	4
6027	4	1	1	3	4	4	4	4	1	1	3	4	01	4	01	2	0	2	0	1	4	2	0	4	5	2	0	4	5
6028	1	2	0	4	4	4	3	4	3	4	4	3	02	4	02	2	0	2	0	2	4	2	0	3	4	2	0	3	4
6028	2	2	0	4	4	3	4	4	3	4	4	4	01	5	05	2	0	2	0	2	4	2	0	4	4	2	0	4	4
6028	3	2	0	4	4	4	3	3	3	4	4	4	01	4	02	2	0	2	0	1	3	2	0	3	3	2	0	4	4
6028	4	1	3	4	4	3	2	3	2	3	3	4	02	5	01	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6028	A	2	0	4	4	4	3	3	3	3	4	4	05	3	02	2	0	2	0	1	3	1	1	2	3	1	1	2	3
6029	1	2	0	4	4	4	9	4	4	4	4	4	01	5	01	2	0	2	0	1	5	2	0	5	5	2	0	5	5
6029	2	1	2	4	4	4	9	4	4	4	4	4	01	4	01	2	0	2	0	1	3	2	0	3	3	2	0	3	3
6030	1	2	0	5	5	5	5	5	5	5	5	5	04	4	01	2	0	2	0	1	3	2	0	3	3	2	0	4	4
6031	1	2	0	4	4	4	4	4	4	4	4	4	02	4	02	2	0	2	0	2	4	2	0	4	4	2	0	4	4
6031	2	2	0	4	4	4	2	3	4	4	4	4	02	3	03	2	0	2	0	2	4	2	0	4	4	2	0	4	3
6031	6	2	0	3	3	3	3	3	3	3	3	3	01	4	02	2	0	2	0	2	4	2	0	4	4	2	0	4	4
6032	1	2	0	5	5	4	4	4	3	4	4	4	02	5	01	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6032	2	2	0	5	5	5	5	5	5	5	5	5	01	5	01	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6032	3	2	0	5	5	5	5	5	5	5	5	5	01	5	01	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6032	4	2	0	4	4	5	4	4	3	4	4	4	01	5	01	2	0	2	0	2	4	2	0	4	4	2	0	4	4
6033	1	1	1	3	4	4	4	3	3	3	4	4	02	4	01	2	0	2	0	1	4	2	0	3	4	2	0	3	4
6033	2	1	1	4	4	4	5	4	4	4	5	5	02	5	01	2	0	2	0	1	5	2	0	5	5	2	0	5	5
6033	3	1	2	4	4	4	4	4	3	4	4	4	01	4	02	2	0	2	0	1	4	2	0	4	4	2	0	4	4
6033	4	2	0	3	4	4	4	3	4	4	4	4	01	4	03	2	0	2	0	1	4	2	0	2	4	2	0	3	4
6033	A	1	5	3	5	5	3	4	5	5	5	5	02	4	02	1	1	2	0	1	2	2	0	3	3	2	0	4	4

APPENDIX I

DRIVEABILITY EVALUATION RESULTS
FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

MANUFACTURER: FORD

VEH NO.	TEST NO.	CONSTANT SPEED PHASE (OVER THE ROAD) 1	1A	2	3	4	5	5A	ACCELERATION FROM STOP PHASE (OVER THE ROAD) 6	7	8	9	RESTART PHASE 10	11	COLD START AND IDLE PHASE (DYNAMOMETER) 12	13	13A	14	14A	15	16	DRIVE AWAY PHASE (DYNAMOMETER) 17	17A	18	19	20	20A	21	22
6034	1	2	0	5	5	5	4	5	5	5	5	5	01	4	01	2	0	2	0	1	5	2	0	4	4	2	0	4	4
6035	1	2	0	5	5	5	5	5	5	5	5	5	03	5	02	2	0	2	0	1	5	1	1	5	5	2	0	5	5
6035	3	2	0	4	4	4	4	4	4	5	4	4	01	4	01	2	0	2	0	1	4	2	0	4	4	2	0	4	4
6035	4	2	0	5	5	5	5	5	5	5	5	5	02	4	01	2	0	2	0	1	3	2	0	3	3	2	0	4	4
6035	A	2	0	4	4	4	4	4	4	4	5	5	02	4	01	2	0	2	0	1	4	2	0	4	4	2	0	4	4
6036	1	2	0	4	4	3	4	4	4	4	3	3	01	3	03	2	0	2	0	1	3	1	3	2	4	2	0	4	4
6036	2	2	0	3	4	4	4	4	4	4	4	4	01	4	11	2	0	2	0	1	3	2	0	4	4	2	0	4	4
6036	5	2	0	4	4	4	4	4	4	4	4	4	01	4	01	2	0	2	0	2	4	2	0	3	4	2	0	3	4
6036	6	2	0	4	4	4	4	4	4	4	4	4	02	4	04	2	0	2	0	2	4	2	0	3	4	2	0	4	4
6036	7	2	0	4	4	4	4	3	4	4	4	4	01	4	01	2	0	2	0	1	4	2	0	4	4	2	0	4	4
6036	8	2	0	4	4	4	4	4	4	4	4	4	01	4	01	2	0	2	0	2	4	2	0	3	4	2	0	3	4
6036	9	2	0	3	4	4	3	3	3	3	3	3	01	4	04	2	0	2	0	2	4	2	0	4	4	2	0	4	4
6037	1	2	0	4	4	4	4	4	4	4	4	4	01	4	03	2	0	2	0	1	4	2	0	4	4	2	0	5	5
6038	1	2	0	5	5	5	4	5	5	5	5	5	03	4	05	2	0	2	0	1	4	2	0	4	4	2	0	4	4
6039	1	2	0	4	4	4	4	4	4	4	4	4	01	4	01	2	0	2	0	1	4	2	0	5	5	2	0	5	5
6039	5	2	0	4	4	4	4	4	5	5	5	5	02	4	01	2	0	2	0	2	5	2	0	4	4	2	0	4	4
6039	6	2	0	5	5	5	4	5	4	4	4	4	01	5	01	2	0	2	0	2	4	2	0	4	4	2	0	4	4
6039	7	2	0	4	4	4	3	4	4	4	4	4	01	4	01	2	0	2	0	2	4	2	0	3	4	2	0	4	4
6039	8	2	0	4	4	4	4	4	4	4	4	4	02	4	01	2	0	2	0	1	4	2	0	5	5	2	0	5	5
6039	9	2	0	4	4	4	4	4	5	5	5	5	03	5	01	2	0	2	0	2	5	2	0	4	4	2	0	4	4
6040	1	2	0	5	5	5	5	5	4	4	4	4	01	4	01	2	0	2	0	2	4	2	0	4	4	2	0	5	5
6040	2	2	0	4	4	4	4	4	4	4	3	3	01	4	01	2	0	2	0	1	4	2	0	2	2	2	0	4	4
6040	3	2	0	3	3	3	3	4	5	5	5	5	01	4	03	2	0	2	0	1	2	2	0	2	4	2	0	3	4
6041	1	2	0	5	5	4	4	5	5	4	4	4	01	4	03	2	0	2	0	1	4	2	0	4	4	2	0	4	4
6041	2	2	0	4	5	4	4	4	4	4	4	4	02	4	01	2	0	2	0	1	3	2	0	5	5	2	0	5	5
6042	1	2	0	4	4	4	4	3	4	4	4	4	01	5	01	2	0	2	0	1	5	2	0	4	5	2	0	4	5
6042	3	2	0	3	4	3	3	4	3	3	3	4	02	5	01	2	0	2	0	1	5	1	1	3	4	2	0	4	4
6043	1	2	0	5	5	5	5	5	5	5	5	5	02	4	02	1	1	2	0	1	4	1	1	4	5	2	0	4	5
6043	2	2	0	5	5	4	4	5	5	5	5	4	03	4	01	1	1	2	0	1	4	2	0	5	5	2	0	5	5
6044	1	2	0	5	5	5	4	5	5	5	5	5	01	5	01	2	0	2	0	1	5	2	0	3	4	2	0	4	4
6044	2	2	0	5	5	5	5	4	5	5	5	5	01	4	02	1	1	2	0	1	4	1	3	4	4	2	0	4	4
6045	1	2	0	4	4	4	4	4	4	4	4	4	01	4	01	2	0	1	1	1	4	1	1	2	3	2	0	4	4
6046	1	2	0	5	5	5	4	4	5	5	5	5	01	4	02	2	0	2	0	1	3	2	0	3	4	2	0	4	4
6047	1	2	0	4	4	4	4	4	4	4	4	4	01	4	01	2	0	2	0	2	4	2	0	4	4	2	0	4	4
6047	2	2	0	4	4	4	4	4	4	4	5	5	01	4	01	2	0	2	0	1	4	2	0	3	4	2	0	4	4
6048	1	2	0	4	4	4	4	4	4	4	4	4	01	4	02	2	0	2	0	1	4	1	1	3	4	2	0	4	4
6048	4	2	0	4	4	4	4	4	4	4	4	4	01	4	02	2	0	2	0	1	4	2	0	4	4	2	0	4	4
6049	1	2	0	4	4	4	4	4	4	4	4	4	01	4	01	2	0	2	0	1	4	2	0	4	4	2	0	4	4
6049	2	2	0	4	4	4	3	4	4	4	4	4	01	4	01	2	0	2	0	1	4	2	0	4	4	2	0	4	4
6049	3	2	0	4	4	4	4	4	4	4	4	4	01	4	01	2	0	2	0	1	3	2	0	3	4	2	0	4	4
6049	4	2	0	4	4	4	4	4	4	4	4	4	01	4	01	2	0	2	0	2	4	2	0	4	4	2	0	4	4
6050	1	2	0	4	4	4	4	4	4	4	4	4	01	4	01	2	0	2	0	2	4	2	0	3	4	2	0	4	4
6050	2	2	0	4	4	4	4	4	5	5	5	5	02	4	01	2	0	2	0	2	4	2	0	4	5	2	0	5	5
6051	1	2	0	5	5	5	5	5	4	4	5	5	01	5	01	2	0	2	0	1	4	2	0	4	5	2	0	5	5
6051	4	2	0	5	5	5	5	5	4	4	5	5																	

APPENDIX I

DRIVEABILITY EVALUATION RESULTS
FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

MANUFACTURER: FORD

VEH NO.	TEST NO.	CONSTANT SPEED PHASE (OVER THE ROAD)							ACCELERATION FROM STOP PHASE (OVER THE ROAD)				RESTART PHASE		COLD START AND IDLE PHASE (DYNAMOMETER)							DRIVE AWAY PHASE (DYNAMOMETER)							
		1	1A	2	3	4	5	5A	6	7	8	9	10	11	12	13	13A	14	14A	15	16	17	17A	18	19	20	20A	21	22
6052	1	2	0	4	4	4	4	4	4	4	5	5	01	4	01	2	0	2	0	1	4	2	0	4	4	2	0	4	4
6052	2	2	0	4	4	4	4	4	4	4	4	4	02	4	02	2	0	2	0	2	4	2	0	4	4	2	0	4	4
6053	1	2	0	3	3	3	3	3	3	3	3	3	03	3	07	2	0	2	0	2	4	2	0	4	4	2	0	4	4
6053	2	1	1	4	4	4	4	4	4	4	4	4	01	4	02	2	0	2	0	2	4	2	0	3	4	2	0	3	4
6054	1	2	0	5	5	5	5	5	5	5	5	5	07	5	07	2	0	2	0	1	4	2	0	3	4	2	0	4	4
6054	3	2	0	4	4	4	3	4	4	4	4	4	03	4	01	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6055	1	2	0	5	5	5	5	5	5	5	5	5	01	4	01	2	0	2	0	1	4	2	0	2	4	2	0	4	4
6056	1	2	0	4	4	4	9	4	4	4	4	4	02	4	03	2	0	2	0	1	4	2	0	4	4	2	0	4	4
6056	2	2	0	4	4	4	9	4	4	4	4	4	02	4	03	2	0	2	0	2	4	2	0	4	4	2	0	4	4
6057	1	2	0	4	4	4	4	4	3	4	4	4	02	5	01	2	0	2	0	2	3	2	0	4	3	2	0	4	4
6057	2	2	0	4	4	4	4	4	4	4	4	4	02	4	01	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6058	1	2	0	5	5	5	4	4	5	5	5	5	01	4	03	2	0	2	0	2	5	2	0	4	5	2	0	4	5
6058	2	2	0	5	5	5	5	5	5	5	5	5	01	5	01	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6058	3	2	0	4	4	4	3	4	4	4	4	4	01	4	01	2	0	2	0	1	4	2	0	4	4	2	0	4	4
6058	4	2	0	4	4	4	4	4	4	4	4	4	02	4	01	2	0	2	0	2	4	2	0	4	4	2	0	4	4
6058	6	2	0	4	4	4	4	4	4	4	4	4	01	4	01	2	0	2	0	1	4	2	0	4	4	2	0	4	4
6059	1	2	0	5	5	5	5	5	5	5	5	5	01	5	01	2	0	2	0	1	4	2	0	4	4	2	0	4	4
6060	1	2	0	4	4	4	4	4	4	4	4	4	01	4	01	2	0	2	0	1	4	2	0	3	3	2	0	5	5
6060	3	2	0	5	5	4	4	5	5	5	4	4	01	5	01	2	0	2	0	1	5	2	0	4	5	2	0	4	5
6060	4	2	0	4	5	5	3	4	4	4	4	4	02	4	01	2	0	2	0	2	4	2	0	4	4	1	1	3	4
6060	A	2	0	4	4	4	4	4	4	4	4	4	01	4	01	2	0	2	0	1	4	2	0	4	4	2	0	4	4
6061	1	2	0	4	4	4	4	4	4	4	4	4	02	4	01	2	0	2	0	2	4	2	0	4	4	2	0	4	4
6061	2	2	0	4	4	4	3	4	4	4	4	4	01	4	01	2	0	2	0	2	4	2	0	3	3	2	0	4	4
6061	4	2	0	5	5	5	5	5	5	5	5	5	01	4	01	2	0	2	0	2	4	2	0	4	4	2	0	4	4
6061	A	2	0	5	4	5	4	4	4	4	5	5	01	4	01	2	0	2	0	1	4	2	0	4	4	2	0	4	4
6062	1	2	0	4	5	4	4	4	4	4	5	5	01	4	01	2	0	2	0	2	4	2	0	4	4	2	0	4	4
6062	2	2	0	4	4	4	4	4	4	4	4	4	01	4	01	2	0	2	0	1	4	2	0	4	4	2	0	4	4
6062	3	1	3	3	4	4	3	4	4	4	4	4	02	4	02	2	0	2	0	1	4	2	0	3	4	2	0	3	4
6062	4	2	0	5	5	5	5	5	3	4	3	3	01	3	01	2	0	1	1	1	3	2	0	3	4	2	0	3	4
6062	6	2	0	4	4	4	4	4	4	4	4	4	02	4	01	2	0	1	1	1	2	2	0	4	4	2	0	4	4
6063	1	2	0	5	5	5	5	5	5	5	5	5	03	4	01	2	0	2	0	2	4	2	0	4	4	2	0	4	4
6063	2	2	0	4	4	4	3	3	3	3	3	3	01	4	01	2	0	2	0	2	4	2	0	4	4	2	0	4	4
6063	3	2	0	5	5	5	5	5	5	5	5	5	01	5	01	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6064	1	2	0	5	5	5	5	5	5	5	5	5	02	5	11	2	0	2	0	2	5	2	0	4	5	2	0	4	5
6065	1	2	0	4	4	4	4	4	4	4	4	5	02	5	01	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6065	5	2	0	5	5	5	5	5	5	3	3	5	01	5	01	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6065	6	2	0	5	5	5	5	5	5	5	5	5	02	5	01	2	0	2	0	1	5	2	0	4	5	2	0	5	5
6065	7	2	0	4	4	4	4	4	4	4	4	4	02	5	01	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6065	8	2	0	4	4	4	3	4	4	4	4	4	02	4	01	2	0	2	0	2	4	2	0	4	4	2	0	4	4
6065	9	2	0	5	5	4	4	4	4	4	4	5	03	5	01	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6066	1	2	0	4	4	5	4	4	4	4	5	5	02	4	01	2	0	2	0	1	4	2	0	4	4	2	0	4	4
6066	2	2	0	4	5	5	5	5	4	4	5	5	01	5	01	2	0	2	0	1	4	2	0	4	5	2	0	4	5
6066	3	2	0	5	5	4	5	5	5	5	5	5	01	4	01	2	0	2	0	2	4	2	0	4	5	2	0	4	4
6066	4	2	0	4	4	4	4	4	4	4	4	4	01	4	01	2	0	2	0	1	4	2	0	4	4	2	0	4	4

APPENDIX I

DRIVEABILITY EVALUATION RESULTS
FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

MANUFACTURER: GEN MTRS

VEH NO.	TEST NO.	CONSTANT SPEED PHASE (OVER THE ROAD) 1	1A	2	3	4	5	5A	ACCELERATION FROM STOP PHASE (OVER THE ROAD) 6	7	8	9	RESTART PHASE 10	11	COLD START AND IDLE PHASE (DYNAMOMETER) 12	13	13A	14	14A	15	16	DRIVE AWAY PHASE (DYNAMOMETER) 17	17A	18	19	20	20A	21	22
6067	1	2	0	5	5	5	9	5	5	5	5	5	01	4	01	2	0	2	0	1	3	2	0	3	3	2	0	3	4
6067	2	2	0	4	4	4	9	4	4	4	4	4	01	4	02	2	0	2	0	2	4	2	0	4	4	2	0	4	4
6067	3	2	0	4	4	4	9	3	4	4	3	3	01	4	01	2	0	2	0	1	4	2	0	4	4	2	0	4	4
6068	1	2	0	4	5	4	4	4	4	4	4	4	01	4	01	2	0	2	0	2	4	2	0	4	4	2	0	4	4
6068	2	1	2	3	4	4	4	4	4	4	4	4	02	3	01	2	0	2	0	1	3	2	0	3	3	2	0	3	3
6069	1	2	0	4	4	4	4	4	4	4	4	4	01	4	04	2	0	2	0	1	4	2	0	2	4	2	0	4	4
6069	3	2	0	2	4	3	2	3	3	3	3	3	01	3	01	2	0	2	0	1	3	2	0	3	4	2	0	4	4
6070	1	1	1	4	4	3	4	4	4	3	4	4	01	4	01	2	0	2	0	2	4	2	0	2	4	2	0	2	4
6071	1	2	0	5	5	5	5	5	5	5	5	5	01	5	01	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6071	2	2	0	4	4	4	4	4	5	5	4	4	01	4	01	2	0	2	0	1	4	2	0	3	4	2	0	4	4
6071	3	2	0	5	5	5	5	5	5	5	5	5	01	5	01	2	0	2	0	2	5	2	0	4	5	2	0	4	5
6071	4	2	0	4	4	3	3	4	3	3	4	4	02	4	01	2	0	2	0	2	4	2	0	4	4	2	0	4	4
6072	1	2	0	5	5	5	5	5	5	5	5	5	02	4	02	2	0	2	0	2	4	2	0	4	4	2	0	4	4
6073	1	2	0	5	5	5	5	5	5	5	5	5	01	4	02	2	0	2	0	1	4	2	0	3	4	2	0	4	4
6073	3	2	0	5	4	4	4	4	4	4	4	5	01	4	01	2	0	2	0	1	4	2	0	4	4	2	0	4	4
6074	1	2	0	3	3	3	9	3	3	3	3	3	02	4	03	2	0	2	0	1	4	2	0	4	5	2	0	3	5
6075	1	2	0	5	5	5	5	5	5	5	5	5	01	4	01	2	0	2	0	2	5	2	0	4	4	2	0	4	4
6075	3	2	0	5	5	5	5	5	5	5	5	5	05	4	01	2	0	2	0	1	4	2	0	4	4	2	0	5	5
6075	4	1	5	4	5	4	5	5	4	4	5	5	02	5	01	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6076	1	2	0	3	3	4	9	3	3	3	3	3	01	4	01	1	1	1	1	2	3	1	0	4	4	2	0	4	4
6076	2	1	2	3	3	4	4	4	4	4	4	4	01	3	01	1	1	1	1	1	2	2	0	3	2	2	0	3	2
6077	1	2	0	5	5	5	5	5	5	5	5	5	01	3	01	1	1	1	1	1	2	2	0	4	4	2	0	4	4
6078	1	1	1	4	4	4	4	4	4	4	4	4	02	4	01	2	0	2	0	2	4	2	0	5	5	2	0	5	5
6078	2	2	0	4	4	4	4	4	5	5	5	5	02	4	01	2	0	2	0	2	4	2	0	4	4	2	0	5	5
6079	1	2	0	4	5	5	9	5	4	5	5	5	02	3	06	1	1	1	1	1	2	2	0	3	2	2	0	3	2
6080	1	2	0	5	5	5	4	4	5	5	5	5	01	5	01	2	0	2	0	1	4	2	0	4	4	2	0	4	4
6081	1	1	1	3	4	3	3	3	3	3	4	4	02	4	01	2	0	2	0	2	4	2	0	3	4	2	0	4	4
6081	2	1	4	4	4	4	4	4	4	4	4	4	01	4	01	2	0	2	0	1	4	2	0	4	5	2	0	5	5
6081	3	1	5	5	5	5	4	4	5	5	4	4	01	5	01	2	0	2	0	2	4	2	0	3	4	2	0	3	4
6081	4	2	0	4	4	4	4	4	4	4	4	4	01	4	01	2	0	2	0	2	4	2	0	5	5	2	0	5	5
6082	1	2	0	5	5	5	4	5	5	5	4	4	01	5	01	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6082	2	1	3	2	5	4	5	5	3	4	4	4	01	4	02	2	0	2	0	2	4	2	0	4	4	2	0	4	4
6082	3	2	0	4	4	3	4	4	3	3	4	4	01	4	01	1	2	1	2	1	4	2	0	4	4	2	0	4	4
6083	1	2	0	5	5	5	5	5	5	5	4	4	01	4	01	2	0	2	0	1	4	2	0	4	4	2	0	4	4
6083	3	1	3	4	5	5	5	5	2	3	3	4	01	5	01	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6083	4	2	0	4	4	4	4	4	4	4	4	4	01	5	01	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6083	6	1	5	4	5	4	4	4	3	4	4	5	02	5	01	2	0	2	0	2	4	2	0	4	4	2	0	4	4
6084	1	2	0	4	4	4	4	4	5	5	4	4	01	3	01	2	0	2	0	1	2	2	0	3	3	2	0	3	3
6085	1	2	0	5	5	5	4	5	5	5	5	5	01	5	01	2	0	2	0	1	3	2	0	3	5	2	0	5	5
6085	2	1	4	4	4	4	4	4	4	4	3	3	02	4	01	2	0	2	0	2	4	2	0	4	4	2	0	4	4
6085	3	2	0	4	4	4	4	4	3	4	4	4	03	4	01	2	0	2	0	2	4	2	0	4	4	2	0	4	4
6085	4	2	0	5	5	5	5	5	5	5	5	5	01	5	01	2	0	2	0	2	4	2	0	4	5	2	0	5	5

APPENDIX I

DRIVEABILITY EVALUATION RESULTS
FOR INDIVIDUAL VEHICLES

SAN FRANCISCO

MANUFACTURER: GEN MTRS

VEH NO.	TEST NO.	CONSTANT SPEED PHASE (OVER THE ROAD)							ACCELERATION FROM STOP PHASE (OVER THE ROAD)				RESTART PHASE		COLD START AND IDLE PHASE (DYNAMOMETER)							DRIVE AWAY PHASE (DYNAMOMETER)							
		1	1A	2	3	4	5	5A	6	7	8	9	10	11	12	13	13A	14	14A	15	16	17	17A	18	19	20	20A	21	22
6086	1	1	4	4	5	4	5	5	4	4	5	5	01	4	01	2	0	2	0	2	4	2	0	3	5	2	0	5	5
6086	2	2	0	4	4	4	4	4	4	4	4	4	01	4	01	2	0	1	1	1	3	1	1	2	4	2	0	4	4
6086	3	2	0	4	4	4	4	4	4	4	4	4	01	5	01	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6087	1	2	0	4	5	4	4	4	4	4	4	4	02	4	01	2	0	2	0	2	4	2	0	4	4	2	0	4	4
6087	3	2	0	5	5	5	5	5	5	5	5	5	01	5.	01	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6087	4	2	0	4	5	4	5	5	4	5	5	5	01	5	01	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6088	1	2	0	5	5	5	5	5	5	5	5	5	01	4	01	2	0	2	0	1	4	2	0	4	4	2	0	4	4
6088	3	2	0	4	4	4	4	4	4	4	4	4	01	5	01	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6088	4	2	0	5	4	5	5	5	4	4	5	5	01	4	01	2	0	2	0	2	4	2	0	4	4	2	0	4	4
6089	1	2	0	4	4	4	4	4	4	4	4	4	01	5	01	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6089	2	1	1	3	3	2	2	2	2	2	2	2	01	5	01	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6090	1	2	0	5	5	4	5	5	4	4	5	5	01	5	01	2	0	2	0	1	4	2	0	5	5	2	0	5	5
6091	1	2	0	5	5	5	5	5	5	5	5	5	01	4	01	2	0	1	1	1	4	2	0	4	4	2	0	4	4
6091	3	2	0	5	4	5	5	4	4	4	4	5	01	4	01	2	0	2	0	2	3	2	0	4	4	2	0	5	4
6092	1	2	0	5	5	5	5	5	5	5	5	5	01	4	01	2	0	1	1	1	4	2	0	3	4	2	0	4	4
6093	1	1	1	5	5	5	4	4	4	5	5	5	01	4	01	1	1	2	0	1	3	2	0	4	4	2	0	4	4
6093	2	2	0	4	4	4	4	4	4	4	4	4	01	4	03	2	0	2	0	1	4	2	0	3	4	2	0	3	4
6093	3	2	0	4	4	4	4	4	5	4	4	4	01	5	02	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6094	1	2	0	4	3	3	4	4	3	3	4	4	01	4	01	2	0	2	0	1	4	2	0	3	4	2	0	4	4
6095	1	2	0	5	5	4	4	4	4	5	5	5	01	4	01	2	0	2	0	2	3	2	0	4	4	2	0	4	5
6096	1	2	0	4	4	4	4	4	4	4	4	4	02	4	01	2	0	2	0	2	4	2	0	4	4	2	0	4	4
6097	1	2	0	3	3	3	3	3	3	4	4	4	07	4	01	2	0	2	0	2	4	2	0	4	4	2	0	4	4
6097	2	2	0	5	5	4	4	5	4	5	4	4	01	4	01	2	0	2	0	1	4	2	0	4	4	2	0	4	4
6097	3	2	0	5	5	5	5	5	5	5	5	5	02	4	01	2	0	2	0	2	4	2	0	4	4	2	0	4	4
6097	4	2	0	4	4	4	4	3	3	4	4	4	02	4	01	2	0	2	0	2	3	2	0	3	4	2	0	4	4
6098	1	2	0	4	5	4	4	5	4	4	4	3	01	4	01	2	0	2	0	1	2	2	0	2	3	2	0	4	4
6099	1	2	0	5	5	5	4	5	5	5	5	5	02	3	03	2	0	2	0	2	3	2	0	3	3	2	0	4	4
6099	3	2	0	4	4	4	4	4	4	5	5	5	02	4	01	2	0	2	0	2	4	2	0	4	4	2	0	4	4
6100	1	2	0	5	5	5	4	5	5	5	5	5	01	5	01	2	0	2	0	2	5	2	0	5	5	2	0	5	5

APPENDIX J - SUPPORT DATA FOR TABLES 3 AND 4

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APPENDIX J

TABLE 3 AND 4 SUPPORT DATA

CHRYSLER

VEH NO.	PASS TEST	HC A/R	HC PASS	CO A/R	CO PASS	NOXC A/R	NOXC PASS	MPG.FTP A/R	MPG.FTP PASS	MPG.HFET A/R	MPG.HFET PASS
6001	2.	.41	.64	4.37	5.75	5.63	1.19	16.14	14.07	20.96	17.99
6002	4.	.82	.56	9.32	6.80	.88	1.35	14.39	13.83	18.98	18.15
6003	1.	.68	.68	8.65	8.65	1.42	1.42	13.24	13.24	15.92	15.92
6004	4.	.43	.78	8.22	4.97	3.81	1.42	11.45	10.72	16.45	15.06
6005	2.	.45	.57	6.73	5.45	5.95	1.54	15.93	14.39	20.33	18.32
6006	3.	.35	.51	3.39	4.93	3.39	1.13	12.32	10.71	17.89	13.11
6007	3.	.50	.88	7.68	8.95	3.52	1.40	11.68	10.90	17.51	13.23
5008	2.	.41	.83	4.01	6.95	1.31	1.32	11.86	10.99	16.05	15.09
6009	4.	5.43	4.77	228.11	196.43	.88	.83	8.65	7.63	11.38	10.99
6010	1.	.46	.46	5.83	5.83	1.41	1.41	11.12	11.12	16.53	16.53
6011	4.	.39	.56	8.02	7.54	4.03	1.74	11.02	10.05	14.58	12.55
6012	2.	.90	.48	4.94	7.27	1.45	1.17	10.37	10.53	15.33	16.03
6013	4.	.88	.71	19.20	15.42	1.81	1.24	8.91	8.64	13.44	13.23
6014	3.	.55	.59	8.36	8.64	4.16	1.64	16.73	15.86	23.53	22.52
6015	1.	.50	.50	8.03	8.03	1.02	1.02	14.08	14.08	17.38	17.38
6016	3.	.55	.42	9.90	6.66	2.04	1.87	13.77	15.17	18.76	19.23
6017	1.	.55	.55	5.86	5.86	1.82	1.82	13.59	13.59	18.12	18.12
6018	2.	.41	.47	5.41	5.89	5.55	1.40	15.85	14.56	20.49	19.69
6019	1.	.43	.43	3.13	3.13	1.36	1.36	15.56	15.56	20.70	20.70
6020	4.	1.44	.65	102.57	16.76	2.02	1.09	10.00	10.72	16.69	15.34
6021	2.	.55	.39	6.37	5.72	2.19	1.75	12.82	13.10	17.09	17.61
6022	1.	.56	.56	4.71	4.71	1.40	1.40	15.61	15.61	20.08	20.08
6023	2.	.45	.53	7.29	6.03	1.46	1.59	10.80	11.50	14.50	15.59
6024	1.	.72	.72	5.40	5.40	1.67	1.67	9.83	9.83	14.86	14.86
6025	4.	.77	.72	11.88	10.54	1.47	1.42	10.87	11.32	16.69	16.86
5026	4.	.91	.83	9.75	13.97	1.12	1.26	9.64	8.93	14.20	15.50
6027	4.	.83	1.17	12.01	13.85	1.17	1.11	12.12	12.19	15.50	20.96
6028	4.	1.28	.98	37.90	26.33	1.33	1.33	9.53	9.46	17.33	20.33
6029	2.	1.28	.57	55.32	4.50	.79	1.82	9.73	9.96	13.35	12.30
6030	1.	.42	.42	7.47	7.47	1.90	1.90	9.26	9.26	13.74	13.74
6031	2.	.37	.53	7.05	4.36	5.37	1.10	11.25	11.34	16.64	16.72
6032	4.	.61	.32	5.03	6.59	2.98	1.55	10.35	8.91	15.75	12.97
6033	4.	2.21	.90	34.00	13.01	1.75	1.94	9.02	9.25	14.15	14.60
AVG. LEVEL		.83	.75	20.18	14.01	2.37	1.43	12.05	11.73	16.82	16.40
NUMBER		33.	33.	33.	33.	33.	33.	33.	33.	33.	33.

APPENDIX J

TABLE 3 AND 4 SUPPORT DATA

FORD

VEH NO.	PASS TEST	HC A/R	HC PASS	CO A/R	CO PASS	NOXC A/R	NOXC PASS	MPG.FTP A/R	MPG.FTP PASS	MPG.HFET A/R	MPG.HFET PASS
6034	1.	.55	.55	2.92	2.92	1.43	1.43	17.19	17.19	28.41	28.41
6035	4.	.75	.78	8.20	7.56	2.27	2.20	14.02	14.65	19.34	20.70
6036	2.	.91	.70	4.16	3.83	1.23	1.50	18.30	18.92	25.32	25.84
6037	1.	.47	.47	3.51	3.51	1.21	1.21	17.20	17.20	23.87	23.87
6038	1.	.92	.92	7.30	7.30	1.50	1.50	13.43	13.43	22.52	22.52
6039	1.	.45	.45	1.52	1.52	2.02	2.02	13.71	13.71	18.87	18.87
6040	3.	.89	.83	3.02	4.05	1.85	1.89	15.69	15.64	21.23	21.28
6041	2.	.77	.52	2.07	1.84	2.14	1.97	13.62	13.15	19.42	19.08
6042	3.	.84	.42	15.64	2.15	1.65	1.67	14.25	14.73	20.41	20.20
6043	2.	.40	.37	1.57	1.45	2.21	1.80	13.63	13.58	18.83	18.80
6044	2.	1.08	.71	5.62	2.82	1.67	1.73	10.76	10.95	16.47	16.34
6045	1.	.80	.80	3.70	3.70	1.59	1.59	11.41	11.41	17.33	17.33
6046	1.	.63	.63	1.26	1.26	2.02	2.02	13.03	13.03	17.27	17.27
6047	2.	.67	.56	6.56	4.43	1.84	1.99	10.58	11.38	16.03	19.12
6048	4.	.51	.53	2.73	2.71	2.10	2.14	10.94	11.08	17.18	16.98
6049	4.	.78	.61	5.11	2.91	2.35	3.31	11.08	11.17	20.28	16.61
6050	2.	.62	.62	2.47	2.45	1.79	2.04	10.61	10.89	15.95	16.26
6051	4.	.58	.52	3.42	3.72	2.08	1.89	10.48	10.03	15.29	14.87
6052	2.	.69	.70	4.63	2.30	1.48	1.75	10.01	11.17	14.41	14.95
6053	2.	.93	.32	11.38	4.49	1.28	1.26	9.27	12.14	14.58	15.38
6054	3.	1.29	.77	4.69	5.42	1.37	1.81	11.10	10.73	17.39	16.31
6055	1.	.63	.63	8.67	8.67	1.47	1.47	9.09	9.09	15.06	15.06
6056	2.	.75	.56	2.33	2.58	2.12	1.20	15.77	13.57	21.28	18.69
6057	2.	.43	.72	1.48	6.43	1.71	1.26	14.20	13.14	18.69	17.33
6058	4.	1.54	1.58	9.41	3.75	1.57	1.83	14.59	12.35	20.39	17.30
6059	1.	.91	.91	4.62	4.62	1.59	1.59	11.71	11.71	17.28	17.28
6060	4.	1.06	1.09	3.42	4.62	1.86	1.88	12.78	12.24	18.98	18.87
6061	1.	.41	.41	2.46	2.46	1.77	1.77	11.04	11.04	16.08	16.08
6062	4.	1.50	1.53	11.10	19.81	1.39	1.32	11.19	9.55	15.50	13.57
6063	3.	.50	.60	3.51	3.43	1.94	1.96	9.63	10.61	14.90	15.80
6064	1.	.92	.92	3.85	3.85	1.47	1.47	10.22	10.22	15.85	15.85
6065	1.	.46	.46	2.98	2.98	1.96	1.96	9.95	9.95	16.98	16.98
6066	4.	5.30	.76	70.44	5.72	1.64	2.15	9.05	9.69	14.58	14.84
AVG. LEVEL		.91	.70	6.84	4.28	1.74	1.77	12.41	12.40	18.36	18.14
NUMBER		33.	33.	33.	33.	33.	33.	33.	33.	33.	33.

APPENDIX J

TABLE 3 AND 4 SUPPORT DATA

GEN MTRS

VEH NO.	PASS TEST	HC A/R	HC PASS	CO A/R	CO PASS	NOXC A/R	NOXC PASS	MPG.FTP A/R	MPG.FTP PASS	MPG.HFET A/R	MPG.HFET PASS
6067	3.	1.05	.60	14.49	7.26	6.50	2.04	16.53	14.73	22.03	20.41
6068	2.	.59	.88	5.55	5.49	8.28	1.94	16.04	14.50	22.08	19.76
6069	3.	.92	.75	12.26	7.25	1.66	1.95	10.85	10.12	14.88	14.60
6070	1.	.62	.62	6.63	6.63	1.99	1.99	10.63	10.63	15.24	15.24
6071	1.	.71	.71	8.47	8.47	1.69	1.69	9.78	9.78	13.99	13.99
6072	1.	.65	.65	3.23	3.23	1.86	1.86	9.28	9.28	14.39	14.39
6073	3.	.53	.54	5.77	4.99	2.16	1.93	9.16	9.73	14.04	13.48
6074	1.	.59	.59	4.59	4.59	.95	.95	21.40	21.40	31.45	31.45
6075	4.	.64	.66	3.70	4.14	2.12	1.84	11.29	10.96	15.50	14.81
6076	2.	1.07	.57	7.71	6.29	2.22	1.38	14.43	14.48	20.96	20.04
6077	1.	.76	.76	3.96	3.96	1.47	1.47	14.36	14.36	19.12	19.12
6078	2.	.62	.58	3.18	3.60	1.69	1.43	11.36	11.25	16.26	14.84
6079	1.	.71	.71	3.71	3.71	1.42	1.42	13.72	13.72	17.39	17.39
6080	1.	.45	.45	2.76	2.76	1.82	1.82	9.77	9.77	12.95	12.95
6081	1.	.77	.77	4.05	4.05	1.93	1.93	11.74	11.74	18.49	18.49
6082	3.	.55	.74	3.71	4.02	2.27	2.00	12.15	11.63	16.75	17.21
6083	4.	.45	.33	2.53	2.01	2.15	2.43	12.35	11.82	17.04	16.39
6084	1.	.47	.47	4.23	4.23	1.83	1.83	10.86	10.86	14.08	14.08
6085	4.	.35	.28	.99	2.04	2.77	3.65	12.21	12.09	17.24	16.76
6086	3.	1.26	.57	9.77	3.58	2.02	1.66	11.86	12.19	16.58	16.98
6087	4.	1.39	.99	6.62	6.38	2.38	1.93	11.55	11.57	15.95	16.84
6088	4.	1.21	1.19	7.71	9.53	2.08	1.84	12.01	11.92	16.26	16.50
6089	2.	.64	.61	4.14	2.06	1.95	1.94	10.17	10.65	13.18	13.33
6090	1.	.37	.37	1.76	1.76	1.11	1.11	12.70	12.70	17.75	17.75
6091	3.	.66	.41	9.93	3.07	1.71	1.66	11.77	11.33	17.15	16.21
6092	1.	.66	.66	3.42	3.42	1.37	1.37	11.90	11.90	17.27	17.27
6093	3.	1.78	.53	36.56	4.15	1.37	1.85	11.51	11.36	16.21	15.17
6094	1.	.93	.93	4.44	4.44	1.63	1.63	10.31	10.31	14.79	14.79
6095	1.	.59	.59	3.48	3.48	1.59	1.59	11.45	11.45	16.08	16.08
6096	1.	.41	.41	6.35	6.35	1.30	1.30	17.77	17.77	24.15	24.15
6097	4.	2.20	.79	35.01	11.72	1.61	2.14	9.15	9.88	12.95	14.27
6098	1.	.64	.64	5.19	5.19	2.04	2.04	12.18	12.18	16.31	16.31
6099	3.	.81	.62	3.64	5.35	2.62	1.85	12.87	11.95	21.41	17.27
6100	1.	.76	.76	7.63	7.63	1.53	1.53	11.82	11.82	17.06	17.06
AVG. LEVEL		.79	.64	7.27	4.91	2.15	1.79	12.26	12.11	17.26	16.92
NUMBER		34.	34.	34.	34.	34.	34.	34.	34.	34.	34.

APPENDIX J

TABLE 3 AND 4 SUPPORT DATA

ALL

VEH NO.	PASS TEST	HC A/R	HC PASS	CO A/R	CO PASS	NOxC A/R	NOxC PASS	MPG.FTP A/R	MPG.FTP PASS	MPG.HFET A/R	MPG.HFET PASS
AVG. LEVEL		.84	.69	11.39	7.70	2.09	1.67	12.24	12.08	17.48	17.15
NUMBER		100.	100.	100.	100.	100.	100.	100.	100.	100.	100.